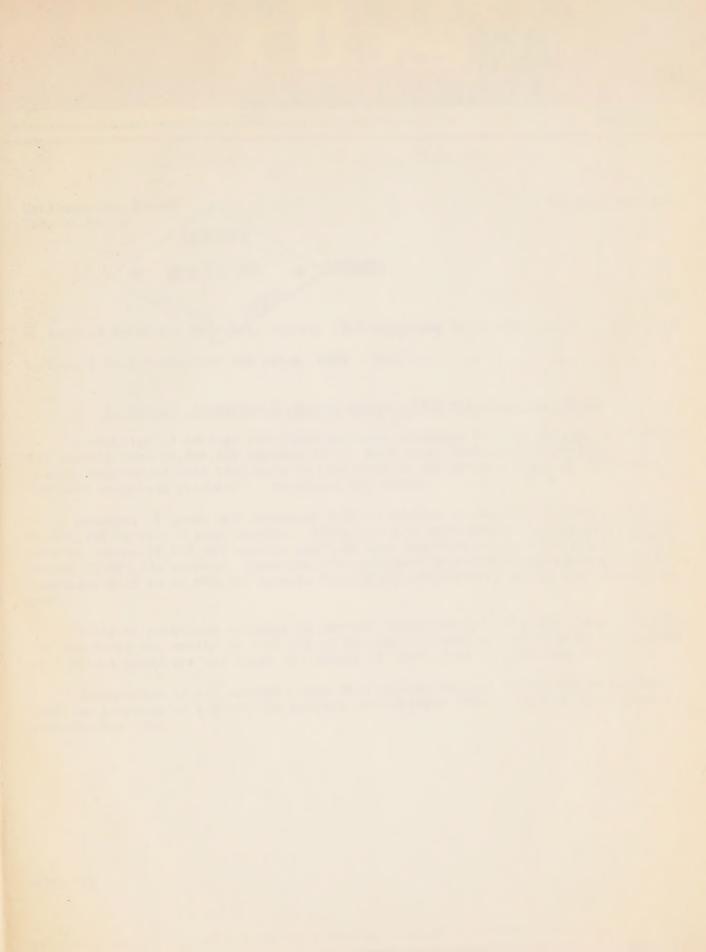




Canada. Statistics Bureaua.

Energy Statistics. 1969,

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ENERGY

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Catalogue No. 57-002
Vol. 4 No. 1

January 22, 1969

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# 1. Refined Petroleum Products; October 1968 Catalogue No. 45-004

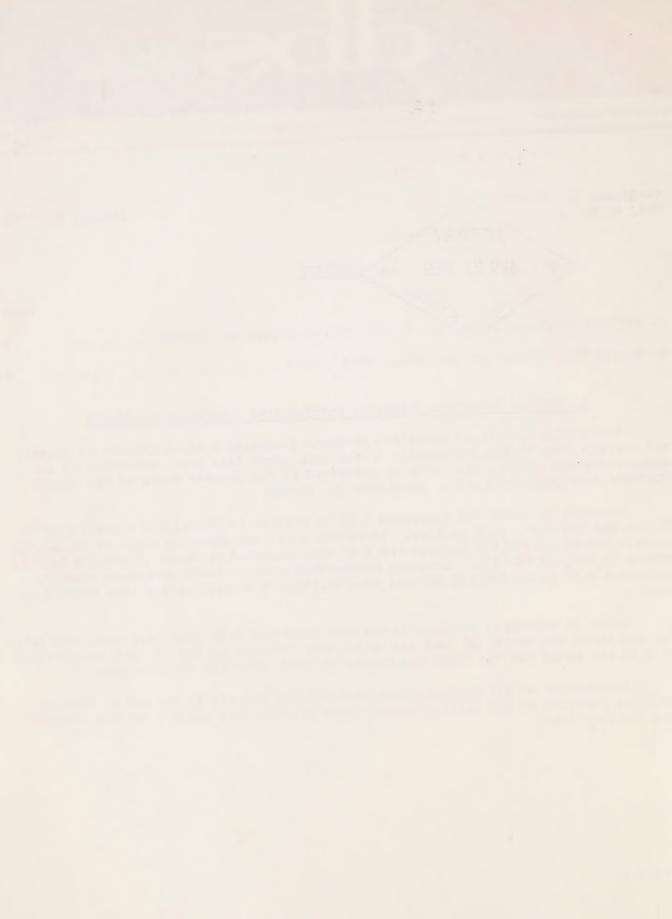
Production of refined petroleum products increased 4.6% in October to 34,882, 979 barrels from 33,356,107 barrels in the same month last year, according to an advance release of data that will be contained in the October issue of DBS report "Refined Petroleum Products". Catalogue No. 45-004.

Receipts of crude oil increased 3.6% in October to 34,563,968 barrels from 33,370,888 barrels a year earlier. There was 5.4% more domestic crude at 19,260,550 barrels versus 18,277,565 barrels and 1.4% more imported crude at 15,303,418 barrels versus 15,093,323 barrels. Domestic disappearance of finished petroleum products increased 8.1% to 41,808,190 barrels from 38,690,409 barrels in the same month last year.

Sales of petroleum products in October increased 7.9% from last year; and sales for the first ten months of 1968 are up 6% over the same period in 1967; an increase of 7.3% was noted for the first ten months of 1967, over the previous year.

Inventories of all products were 96.8 million barrels at the end of October 1968; an increase of 6.0 million barrels over October 1967 and 6.2 million barrels over October 1966.

6503-521



IMPORTS Into Canada Of Selected Petroleum Products, October 1968

| 111111111111111111111111111111111111111 |              |         | 1,249 1,563,437<br>1,059 4,308,789<br>1,517 1,041,201<br>1,957 421,898       | 3,266,782 7,335,325 | E +++ | Heavy products        |             | 1 | - 14,336  | 3,912 180,817 |         | 2,595 2,595 | - 157,864 | 13,185 364,408 |
|---|--------------|---------|--|---------------------|-------|-----------------------|-------------|---|-----------|---------------|---------|-------------|-----------|----------------|
| ıt Heavy                                |              | gallons | 236,726 1,138,249<br>034,994 1,815,059<br>198,911 165,517<br>133,883 147,957 |                     | oi1   |                       | gallons     | , | 8         | 76.371        |         | - 2         | 214       | 585            |
| 1 Light<br>35 Canadian gallons          | 5 Canadian g |         | 1,   | 3 1,604,514         | Fuel  | 1 Light               | 35 Canadian |   | 6         |               |         |             | 5 16.     | ,4 92,         |
| Diesel<br>barrels of 35                 | of<br>83,3   | 83,37   | 176,214<br>259,072<br>86,097   | 604,753             |       | Diesel                | barrels of  | • | 13,649    | 1             | 1       | 1           | 45, 915   | 59, 564        |
| stove oil                               |              |         | 71,110<br>65,947<br>99,310<br>440  | 236,807             |       | Kerosene<br>stove oil |             |   |           | 7, 603        | ) i     | 1           | 8 669     | 13,272         |
| gasoline 25,240                         | 25,240       | 25,240  | 446,106<br>29,146<br>1,015   | 501,507             |       | Motor<br>gasoline     |             |   | 8         | ı             |         | 1 1         | 908 75    | 54,896         |
|   |              |         | Maritimes  | Canada total        |       |                       |             |   | Maritimes | (Mepec        | Untario | Alberta     | c.1,mhis  | Canada total   |

- 3 -

NET SALES In Canada Of Selected Petroleum Products, October 1968

|                                     |                   |                       |            | Fuel oil          |                     | Toto1      | loral all          | produces           |
|-------------------------------------|-------------------|-----------------------|------------|-------------------|---------------------|------------|--------------------|--------------------|
|                                     | Motor<br>gasoline | Kerosene<br>stove oil | Diesel     | Light             | Heavy               | products   | Cumulative<br>1968 | Cumulative<br>1967 |
|                                     |                   |                       | barr       | barrels of 35 Can | 35 Canadian gallons | 10         |                    |                    |
|                                     | 000               | 10% 800               | 257, 776   | 142,954           | 354,588             | 1,137,730  | 10,066,815         | 9,215,361          |
| Newfoundland                        | 192,073           | 100,401               |            |                   | 700                 | 170 117 6  | 34 679 417         | 31, 123, 936       |
| Maritimes                           | 843,036           | 209,625               | 329,900    | 498,613           | 1,410,520           | 3,011,741  | 31,000             |                    |
| Onepec                              | 3,467,835         | 467,965               | 748,096    | 1,897,556         | 4,078,143           | 12,480,094 | 115,176,362        | 107,059,020        |
| Ontario                             | 4,979,135         | 323,917               | 900,335    | 2,017,323         | 2,173,504           | 12,377,821 | 121,072,026        | 115,123,186        |
| Manitoba                            | 757,499           | 94,961                | 281,619    | 117,155           | 78,592              | 1,532,964  | 13,280,003         | 13,033,512         |
| Saskatchewan                        | 978,792           | 136,715               | 357,760    | 107,234           | 34,068              | 1,849,238  | 15,814,807         | 15,630,313         |
| Alberta                             | 1,513,841         | 49,277                | 506,989    | 63,698            | 26,571              | 2,562,913  | 22,438,950         | 21,677,486         |
| British Columbia                    | 1,311,662         | 167,722               | 654,262    | 409,075           | 693,781             | 3,633,877  | 35,360,547         | 34,187,509         |
| North West Territories<br>and Yukon | 18,058            | 6,107                 | 47,074     | 26,437            | 3,594               | 119,012    | 1,239,630          | 998,270            |
| Canada totals                       | 14,062,531        | 1,561,188             | 4,083,811  | 5,280,045         | 8,859,367           | 39,305,590 | 8                  | 6                  |
| Canada cumulative 1968              | 127,135,589       | 14,007,193            | 35,952,787 | 67,585,691        | 78,687,022          | 8          | 369,128,557        | 1                  |
| Canada cumulative 1967              | 119,977,125       | 14,009,177            | 34,577,055 | 5,844,507         | 7,863,776           | 1          | ı                  | 348,048,593        |



Refinery Production In Canada Of Selected Petroleum Products, October 1968

|                                  |                   |                       |            | Fuel oil                       |               | E 44 E               | Total all          | all products       |
|----------------------------------|-------------------|-----------------------|------------|--------------------------------|---------------|----------------------|--------------------|--------------------|
|                                  | Motor<br>gasoline | Kerosene<br>stove oil | Diesel     | Light                          | Heavy         | rotal all — products | Cumulative<br>1968 | Cumulative<br>1967 |
|                                  |                   |                       | barr       | barrels of 35 Canadian gallons | idian gallons |                      |                    |                    |
| Newfoundland                     | (1)               | (1)                   | 1          | (1)                            | (1)           | (1)                  | (1)                | (1)                |
| Maritimes                        | 1,083,171         | 168,705               | (2)        | 794,309                        | 917,207       | 3,731,365            | 31,838,866         | 33,014,403         |
| Onepec                           | 3,650,165         | 574,561               | 1,019,396  | 2,535,314                      | 2,546,442     | 11,942,711           | 113,345,836        | 100,824,358        |
| Ontario                          | 3,906,028         | 384,411               | 828,943    | 1,491,925                      | 1,756,689     | 9,679,900            | 100,541,286        | 95,156,068         |
| Manitoba                         | 587,733           | 54,711                | 192,587    | 136,245                        | 95,955        | 1,343,570            | 12,847,267         | 12,037,232         |
| Saskatchewan                     | 669,154           | 20,917                | 217,429    | 219,056                        | 140,264       | 1,444,398            | 18,615,764         | 19,369,127         |
| Alberta                          | 1,522,806         | - 71,945              | 598,388    | 286,207                        | 136,849       | 3,023,506            | 31,240,856         | 30,549,037         |
| British Columbia                 | 1,437,583         | 231,802               | 1,015,349  | 178,986                        | 428,098       | 3,690,489            | 34,009,873         | 31,159,741         |
| North West Territories and Yukon | 2,940             | ī                     | 12,054     | 5,069                          | - 2,948       | 27,040               | 641,963            | 583,264            |
| Canada totals                    | 12,859,580        | 1,363,162             | 3,884,146  | 5,647,111                      | 6,018,556     | 34,882,979           | 1                  |                    |
| Canada cumulative 1968           | 122,064,952       | 15,400,641            | 40,426,313 | 53,133,818                     | 60,049,868    | 1                    | 343,081,711        | E                  |
| Canada cumulative 1967           | 115,947,350       | 14,975,554            | 37,151,418 | 50,833,558                     | 54,236,300    | 1                    | 1                  | 322,693,230        |

(1) Included with Maritimes. (2) Included with Quebec.

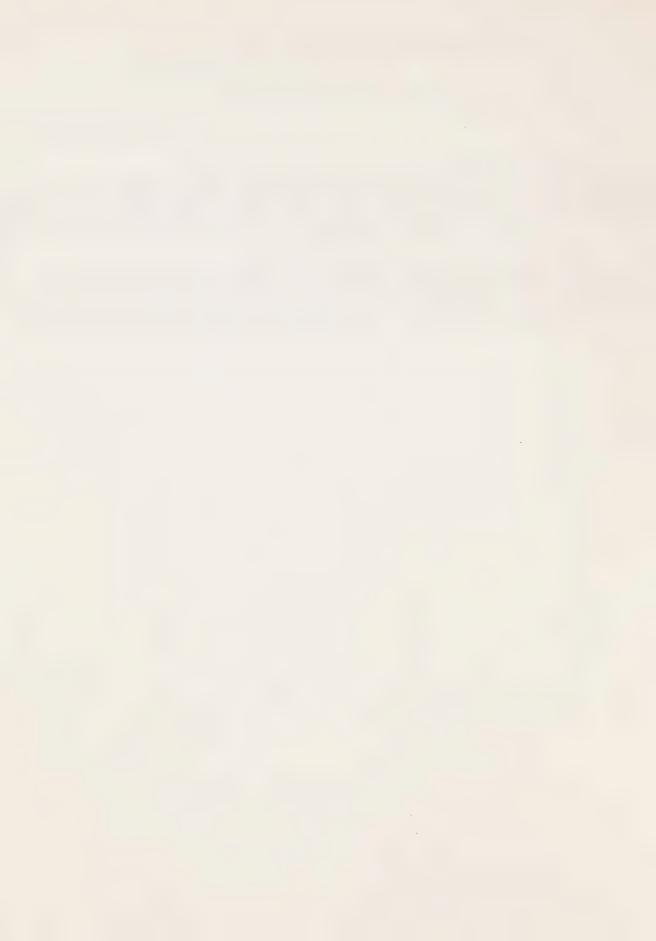


### 2. Fossil Fuel Production and Value 1968-1967

(Preliminary Estimates)

The total value of fossil fuel production for 1968 is estimated to reach an all time high of \$1,342 billion; 6.6% above last year's \$1,259 billion. The largest portion was contributed by Alberta, with 72.0%, followed by Saskatchewan with 16.8%, British Columbia with 6.6%, Nova Scotia with 2.3% and the other provinces, Yukon and Northwest Territories, with the remaining 2.3%.

Crude oil was the leading commodity accounting for over 2/3 of the total value. Natural gas accounted for 16.8% and natural gas by products for an additional 9.1%. In coal, Nova Scotia accounted for half the production value of coal in Canada but only 28.4% of the tonnage Alberta produced 35.4% of the coal while accounting for 20.1% of the value.



|                                  | Nova Scotia                             | New<br>Brunswick         | Quebec  | Ontario   | Manitoba                                    | Saskat-<br>chewan                | Alberta                                 | British<br>Columbia                  | Yukon  | N.W.T.             | Canada                     |
|----------------------------------|---|--------------------------|---------|---|---|----------------------------------|---|--------------------------------------|--------|--------------------|----------------------------|
|                                  |   |                          |         |   |   |                                  |   |                                      |        |                    |                            |
| 1968                             |   |                          |         |   |   |                                  |   |                                      |        |                    |                            |
| Natural gas(1) Mcf. \$           | 1.1                                     | 112,000                  | 136,000 | 112,000 136,000 11,000,000<br>56,000 20,000 4,290,000 | 1 - 8                                       | 60,500,000                       | 1,325,850,000                           | 245,000,000                          | 1 - F  | 38,000             | 1,642,636,000 225,682,000  |
| Natural gas by-products(4, 5) \$ | 1                                       | 1                        | ŧ       | ı   | 1   | 2,797,000                        | 115,393,000                             | 3,533,000                            | ,      | 1                  | 121,723,000                |
| Crude petroleum bbl.             | 1 1                                     | 8,000                    | 1 1     | 1,160,000   | 1,160,000 6,214,000<br>3,307,000 15,588,000 | 91,896,000<br>211,320,000        | 255,325,000(2,3)<br>651,400,000         | ) 22,325,000(2)<br>50,900,000        |        | 767,000<br>882,000 | 377,695,000<br>933,421,000 |
| Coal tons                        | 8 3,120,000 775,<br>30,830,000(7)7,090, | 775,000                  | 1 1     |   | 1 1   | 2,255,000<br>4,160,000           | 3,880,000                               | 940,000                              | 1 1    | 1 1                | 10,970,000                 |
| Total fuels \$                   | 30,830,000                              | 7,170,000                | 20,000  | 7,597,000   | 15,588,000                                  | 7,597,000 15,588,000 226,077,000 | 965,668,000                             | 88,243,000                           | 1      | 898,000            | 1,342,091,000              |
| 1967                             |   |                          |         |   |   |                                  |   |                                      |        |                    |                            |
| Natural gas(1) Mcf.              |   | 103,879 51,939           |         | 59,130 14,218,140<br>8,870 5,427,000                  | 1 1   | 49,975,781                       | 1,181,927,668<br>162,591,000            | 225,399,348<br>23,988,000            | 1 1    | 40,589             | 1,471,724,535              |
| Natural gas by-products(4, 5) \$ | ı                                       | ı                        | ı       | ı   | 1   | 2,580,766                        | 106,321,070                             | 3,878,289                            | ı      | 1                  | 112,780,125                |
| Crude petroleum bbl. \$          | 1.                                      | 8,837                    | ( )     | 1,240,298   | 5,585,375                                   | 92,539,077<br>212,330,236        | 231,543,439(2,3)<br>589,925, <b>642</b> | ) 19,697,369(2)<br>44,368,324        | - 1    | 677,937<br>779,628 | 351,292,332<br>864,953,755 |
| Coal tons                        | ns 3,738,487<br>51,681,004              | 7 837,963<br>4 7,489,617 | 1 1     | 1 1   | 1 1   | 2,008,147                        | 3,601,559                               | 960,648(6) 1,912<br>7,534,128 15,791 | 15,791 | 1 1                | 11,148,716                 |
| Total fuels \$                   | 51,681,004                              | 4 7,568,509              | 8,870   |   | 13,998,849                                  | 8,951,123 13,998,849 224,878,964 | 871,256,126                             | 79,768,741                           | 15,791 | 796,765            | 1,258,924,742              |

Excludes gas for recycling, pressure maintenance injection and flared at field. Excludes amounts returned to formation.

Includes production from the Athabasca Tar Sands deposits.

Includes pentanes plus and excludes sulphur.

Includes pentanes plus which for Canada as a whole were valued at \$84,818,000.

B.C. production does not agree with 1967 "Coal mining Industry Publication". "Put on waste heap coal" at no value, has been deducted from actual to arrive at a net production comparable to 1968 net production.

N.S. value of coal for 1968 does not include subsidies as of April 1, 1968. 55556



<sup>1</sup>For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

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Catalogue No. 57-002 Vol. 4, No. 2



January 29, 1969.

|    |                      |   | rage |
|----|----------------------|---|------|
| 2. | Preliminary Electric | Capacity 1967-1968<br>Energy Statistics, November |      |
|    | 1909                 |   | 3    |

# 1. Installed Generating Capacity 1967-1968

Preliminary data indicate that 2,968 megawatts of new generating capacity were installed in Canada during 1968. This is the largest absolute growth of any year in Canada's history. Total capacity at the end of 1968 amounted to 35,934 megawatts, a 9.0% increase over the 1967 year end total of 32,966 megawatts. Hydro installations accounted for 1,609 megawatts of the increase while new thermal capacity amounted to 1,359 megawatts.

The largest increase in capacity was in Ontario where 1,039 megawatts were added. British Columbia added 940 megawatts followed by New Brunswick with 300 megawatts, Saskatchewan with 199 megawatts, Quebec with 192 megawatts, Newfoundland with 137 megawatts and Manitoba with 124 megawatts.

The greatest increases in hydro capacity were in the British Columbia Hydro and Power Authority's Portage Mountain Plant (681 Mw), New Brunswick Electric Power Commission's Mactaquac Plant (300 Mw), Saskatchewan Power Corporation's Coteau Creek Plant (188 Mw), Ontario Hydro's Barrett Chute Plant (112 Mw) and Manitoba Hydro's Grand Rapids Plant (109 Mw)

Notable increases in fossil fuelled steam generating capacity included 900 Mw at Ontario Hydro's Lakeview Plant, 162 Mw at British Columbia Hydro and Power Authority's Burrard Plant and 150 Mw at Hydro Quebec's Tracy Plant.

6503-521



Installed Generating Capacity (Preliminary) at End of years 1967 and 1968

| North-<br>west<br>Terri-<br>tories |                  |      | 35     | -     | 21                  | 2           | 59     |      | 35     |       | 23                  | 2           | 61     |
|------------------------------------|------------------|------|--------|-------|---------------------|-------------|--------|------|--------|-------|---------------------|-------------|--------|
| Yukon                              |                  |      | 28     | 1     | 2                   | ł           | 33     |      | 18     | 1     | 1.5                 | ı           | 33     |
| British<br>Columbia                |                  |      | 2,786  | 796   | 164                 | 192         | 4,106  |      | 3,531  | 1,156 | 167                 | 192         | 5,046  |
| Alberta                            | (megawatts)      |      | 616    | 1,225 | 43                  | 167         | 2,051  |      | 616    | 1,225 | 43                  | 167         | 2,051  |
| Saskat-<br>chewan                  | 1                |      | 399    | 999   | 36                  | 77          | 1,078  |      | 586    | 266   | 36                  | 8           | 1,277  |
| Manitoba                           | of kilowatts     |      | 1,074  | 321   | 18                  | 16          | 1,429  |      | 1,184  | 321   | 20                  | 28          | 1,553  |
| Ontario                            | thousands        |      | 6,302  | 3,623 | 34                  | 291         | 10,250 |      | 6,413  | 4,523 | 34                  | 319         | 11,289 |
| Quebec                             | in               |      | 11,007 | 519   | 43                  | 36          | 11,605 |      | 11,035 | 683   | 43                  | 36          | 11,797 |
| New<br>Bruns-<br>wick              | nameplate rating |      | 262    | 541   | 10                  | ı           | 813    |      | 562    | 541   | 10                  | 1           | 1,113  |
| Nova                               | namel            |      | 152    | 535   | ∞                   | 1           | 695    |      | 163    | 535   | ∞                   | ı           | 706    |
| Prince<br>Edward<br>Island         |                  |      | ı      | 20    | 7                   | ı           | 57     |      | ı      | 70    | 7                   | 1           | 77     |
| New-<br>found-<br>land             |                  |      | 692    | 51    | 33                  | 14          | 790    |      | 819    | 51    | 33                  | 28          | 931    |
| Canada                             |                  |      | 23,353 | 8,396 | 422                 | 795         | 32,966 |      | 24,962 | 9,672 | 439                 | 861         | 35,934 |
|                                    |                  | 1967 | Hydro  | Steam | Internal combustion | Gas turbine | Total  | 1968 | Hydro  | Steam | Internal combustion | Gas turbine | Total  |



#### Preliminary Electric Energy Statistics, November 1968, Catalogue No. 57-001

Net generation of electric energy increased 5.6 per cent to 15,475,121 thousand kwh. in November 1968 from 14,656,578 thousand kwh. in November 1967. Nearly all provinces show some increase in generation.

Imports are up 15 per cent while exports continue to show a decrease again this month. Secondary energy is up slightly over last month.

As a result of the increase in generation and imports and the decrease in exports, firm energy made available for use in Canada rose 9.3 per cent over last November.

Total generation for the twelve month period ending November 30, 1968 amounted to 173,969,838 thousand kwh.

Preliminary Electric Energy Statistics

(thousand kwh)

|                                 |                         | November                |            |
|---------------------------------|-------------------------|-------------------------|------------|
| -                               | 1966                    | 1967                    | 1968       |
|                                 | 1700                    | 1707                    |            |
|                                 |                         |                         |            |
| Net generation - Hydro          | 11,416,113 <sup>r</sup> | 11,790,232 <sup>r</sup> | 11,496,083 |
| Thermal                         | 2,703,813 <sup>r</sup>  | 2,866,346 <sup>r</sup>  | 3,979,038  |
| Total net generation            | 14,119,926 <sup>r</sup> | 14,656,578 <sup>r</sup> | 15,475,121 |
| Energy imported from U.S.A      | 281,921                 | 383,887                 | 442,767    |
| Energy exported to U.S.A.:      |                         |                         |            |
| Firm                            | 56,551                  | 56,467                  | 61,997     |
| Secondary                       | 400,687                 | 346,634                 | 256,914    |
| Total exported to U.S.A         | 457,238                 | 403,101                 | 318,911    |
| Net energy used in Canada       | 13,944,609 <sup>r</sup> | 14,637,364 <sup>r</sup> | 15,598,977 |
| Secondary energy used in Canada | 460,877 <sup>r</sup>    | 425,584 <sup>r</sup>    | 166,066    |
| Firm energy used in Canada      | 13,483,732 <sup>r</sup> | 14,211,780 <sup>r</sup> | 15,432,911 |

r Revised figures.



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February 11, 1969



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# 1. Coal and Coke Statistics, November 1968, Cat. No. 45-002

Coal production for the month of November 1968 amounted to 1,037,972 tons a decrease of 14.1% from the November 1967 production of 1,208,738 tons, while landed imports were 2,008,674 tons compared with 1,873,220 tons for the month of November 1967. Consumption by industrial consumers amounted to 1,594,303 tons of coal and 508,789 tons of coke, an increase of 207,640 tons of coal and an increase of 31,521 tons of coke from last year.

Industrial consumers' stocks of coal and coke rose to 7,270,145 tons from 6,958,644 tons in November 1967.

Coke production during the month of November 1968, increased to 427,935 tons from 385,245 tons in November 1967, while coke used in blast furnaces increased to 359,297 tons from 329,085 tons during the same period.

5503-521



Coal and Coke Statistics, November 1968

|                            |            |                   | Coal                                    |  |  | Co   | ke   |
|----------------------------|------------|-------------------|---|--|--|--|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons   |  |  |  |
| Newfoundland               | -          | 383               | _                                       | -  | 00   | -  | -  |
| Prince Edward Island       |            | -                 | -                                       | -  | -  | -  | -  |
| Nova Scotia                | 272,625    | 17,322            | 294,801                                 | 66,522                                       | 18,933                                       | 42,556                                       | -  |
| New Brunswick              | 68,312     | 231               | 82,853                                  | 66,734                                       | 53,780                                       | -  | -  |
| Quebec                     | •          | 166,126           | 400                                     | 111,721                                      | 320,965                                      | 49,349                                       | 175,475                                      |
| Ontario                    | -          | 1,824,581         | -                                       | 915,719                                      | 6,227,158                                    | 387,569                                      | 120,314                                      |
| Manitoba                   | ~          | 31                | -                                       | 37,146                                       | 94,455                                       | 392  | 250  |
| Saskatchewan               | 200,071    | -                 | 200,155                                 | 142,998                                      | 180,711                                      | -  | -  |
| Alberta                    | 426,333    | -                 | 431,395                                 | 241,689                                      | 31,042                                       | 282  | 198  |
| British Columbia and Yukon | 70,631     | -                 | 64,637                                  | 11,774                                       | 10,219                                       | 28,641                                       | 36,645                                       |
| Total Canada 1968          | 1,037,972  | 2,008,674         | 1,073,841                               | 1,594,303                                    | 6,937,263                                    | 508,789                                      | 332,882                                      |
| Total Canada 1967          | 1,208,738  | 1,873,220         | 1,176,066                               | 1,386,663                                    | 6,666,803                                    | 477,268                                      | 291,841                                      |



## 2. Preliminary(1) Report on Coal Production

#### December 1968

Preliminary coal production for the month of December amounted to 1,121,330 tons, an increase of 11.7% from the December 1967 preliminary production of 1,004,261 tons. Landed imports were 1,018,048 tons compared with 757,509 tons for the same period last year.

Production and Landed Imports of Coal, by Provinces

|  | 1967   |   | 1968   |  |
|--|--|---|--|--|
|  | Production(3)  | Landed  | Production(3)  | Landed   |
|  |  | imports(1) net tons of  | 2,000 pounds   | imports(1)   |
| December   |  |   |  |  |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon                               | 255,025<br>59,339<br>-<br>-<br>233,538<br>68,501<br>317,347<br>70,511          | 71,012<br>186<br>48,422<br>637,798<br>91                              | 242,927<br>67,177<br>-<br>-<br>317,516<br>69,772<br>355,594<br>68,344          | 70,020<br>252<br>18,367<br>929,264<br>145<br>-                       |
| Canada totals  | 1,004,261  | 757,509   | 1,121,330  | 1,018,048  |
| Twelve months ended December  Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 3,730,652<br>794,325<br>-<br>-<br>2,027,625<br>912,102<br>2,600,837<br>964,293 | 12,464<br>401,145<br>1,803<br>769,927<br>14,634,150<br>2,280<br>1,086 | 3,127,577<br>762,475<br>-<br>-<br>2,316,948<br>948,018<br>2,925,047<br>905,127 | 9,242<br>518,302<br>1,791<br>815,840<br>15,995,180<br>1,748<br>1,683 |
| Canada totals  | 11,029,834   | 15,823,336  | 10,985,192   | 17,343,993   |

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.

<sup>(2)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(3)</sup> All figures are preliminary.



# 3. Canadian Crude Oil Reguirements

Anticipated and Actual Refinery Receipts of Crude Oil, Condensate and Pentanes Plus

|   | -              |                   |         |                |                  |         |                |                   |                       |
|---|----------------|-------------------|---------|----------------|------------------|---------|----------------|-------------------|-----------------------|
|   | Actual<br>1967 | Estimated<br>1968 |         | Actual<br>1968 |                  |         | Estima<br>1969 | Estimated<br>1969 |                       |
|   | Jan<br>Dec.    | Jan<br>Dec.       | Jan.    | Feb.           | Mar.             | Jan.    | Feb.           | Mar.              | Jan<br>Dec.           |
|   |                |                   |         | 000,           | '000 barrels per | day     |                |                   |                       |
| By source                               |                |                   |         |                |                  |         |                |                   |                       |
| Domestic                                |                |                   |         |                |                  |         |                |                   |                       |
| Western                                 | 611.4          | 647.5             | 634.4   | 675.0          | 650.5            | 686.3   | 718.9          | 700.5             | 652.1                 |
| Eastern                                 | 3.4            | 3.4               | 3.2     | 3.7            | 3.5              | 3.0     | 3.1            | 3.0               | 3.0                   |
| Totals                                  | 614.8          | 620.9             | 637.6   | 678.7          | 654.0            | 689.3   | 722.0          | 703.5             | 655.1                 |
| Imported                                | 446.8          | 484.6             | 478.5   | 426.6          | 512.7            | 535.3   | 575.0          | 514.4             | 508.0                 |
| Total requirements                      | 1,061.6        | 1,135.5           | 1,116.1 | 1,105.3        | 1,166.7          | 1,224.6 | 1,297.0        | 1,217.9           | 1,163.1               |
| By location                             |                |                   |         |                |                  |         |                |                   |                       |
|   |                |                   | ***     |                |                  |         |                |                   |                       |
| Atlantic                                | 110.0          | 107.4             | 102.5   | 6,49           | 127.1            | 128.8   | 128.4          | 123.6             | 116.9                 |
| Ontario                                 | 311.1          | 334.1             | 376.0   | 360.5          | 385.6            | 374.6   | 446.6          | 390.8             | 389.6                 |
| Manitoba                                | 40.0           | 42.5              | 45.5    | 42.4           | 43.4             | 45.3    | 46.5           | 43.4              | 40.7                  |
| Alberta                                 | 03.0           | 100.0             | 63.4    | 67.0           | 58.2             | 68.7    | 73.6           | 7.69              | 63.1                  |
| British Columbia                        | 102.2          | 111.3             | 115.8   | 116.2          | 112.0            | 90.4    | 115.3          | 106.6             | 104.7<br>107.0<br>1.9 |
| Total requirements                      | 1,061.6        | 1,135.5           | 1,116.1 | 1,105.3        | 1,166.7          | 1,224.6 | 1,297.0        | 1,217.9           |                       |
| Export requirements(1)                  | 412.5          | 459.1             | 440.2   | 452.4          | 450.5            | 553.6   | 414.5          | 260.0             | •                     |
| (1) Reported by the pipeline companies. | anies.         |                   |         |                |                  |         |                |                   |                       |

<sup>(1)</sup> Reported by the pipeline companies. •• Figures not available.



#### Crude Oil Requirements 1968 and 1969

# Summary of Crude Oil Requirements and New Needs (thousand barrels daily)

|          | 1968         |     | 1969         |     |           |     |  |
|----------|--------------|-----|--------------|-----|-----------|-----|--|
|          | Requirements |     | Requirements |     | New needs |     |  |
|          | Volume       | %   | Volume       | %   | Volume    | %   |  |
|          |              |     | ,            |     |           |     |  |
| Domestic | 651          | 57  | 655          | 56  | 4         | 15  |  |
| Imports  | 485          | 43  | 508          | 44  | 23        | 85  |  |
| Totals   | 1,136        | 100 | 1,163        | 100 | 27        | 100 |  |

The crude oil requirements by Canadian refineries is estimated to increase to a total of 1.163 million B/D in 1969: an increase of 2.4% over last year.

Canadian crude requirements for refining are expected to increase by 0.6% from 651,000 B/D in 1968 to 655,000 B/D in 1969, while imported crude requirements for refining are expected to rise by 4.7% from 485,000 B/D in 1968 to 508,000 B/D in 1969.

Forecast new needs of crude oil for refining are expected to amount to 27,000 B/D in 1969, with domestic produced crude supplying 15% of these new needs (4,000 B/D) and imports 85% (23,000 B/D).

Crude oil exports for the first quarter of 1969 are estimated to average 509,000 B/D, an increase of 61,000 over the same period in 1968.



#### 4. Sales of Natural Gas, November 1968, Catalogue No. 55-002

Total sales of natural gas to Canadian consumers by distributors for November 1968 were 69,442,787 Mcf. This was an increase of 10.0% over the same month last year. Revenue from sales was \$45,084,720.

Sales to residential customers accounted for 27.4%, industrial customers 52.5% and to commercial customers 20.1%

Sales of Natural Gas, November 1968

|                       | Custom        | ers                  |            | Revenue    |  |
|-----------------------|---------------|----------------------|------------|------------|--|
|                       | Space heating | Total                | Gas sold   |            |  |
|                       | No .          |                      | Mcf.       | \$         |  |
| Residential           | 1             |                      |            |            |  |
| New Brunswick         | 130           | 1,822                | 8,086      | 10,478     |  |
| Quebec                | 97,999        | 202,369              | 1,257,605  | 2,062,354  |  |
| Ontario               | 555,052       | 697,688              | 7,228,837  | 8,995,552  |  |
| Manitoba              | 103,833       | 106,248              | 1,647,108  | 1,424,564  |  |
| Saskatchewan          | 115,236       | 119,998              | 1,680,975  | 1,322,336  |  |
| Alberta               | 258,226       | 260,712              | 4,620,936  | 2,504,918  |  |
| British Columbia      | 177,656       | 196,472              | 2,613,110  | 4,215,469  |  |
| Canada                | 1,308,132     | 1,585,309            | 19,056,657 | 20,535,671 |  |
| <u>Industrial</u>     |               |                      |            |            |  |
| New Brunswick         |               | -                    | -          | -          |  |
| Quebec                | 1,516         | 2,577,084            | 1,469,429  |            |  |
| Ontario               | 7,644         | 15,621,326           | 8,726,899  |            |  |
| Manitoba              | 298           | 1,286,053            | 402,803    |            |  |
| Saskatchewan          | 608           | 4,016,864            | 1,053,323  |            |  |
| Alberta               | 714           | 9,621,049            | 1,826,359  |            |  |
| British Columbia      |               | 305                  | 3,328,256  | 1,276,145  |  |
| Canada                |               | 11,085               | 36,450,632 | 14,754,958 |  |
| Firm                  |               | 10,464               | 33,082,469 | 8,101,668  |  |
| Interruptible         |               | 621                  | 3,368,163  | 6,653,290  |  |
| Commercial Commercial |               |                      |            |            |  |
| New Brunswick         | 60            | 1,987                | 4,205      |            |  |
| Quebec                | 10,402        | 561,905              | 655,645    |            |  |
| Ontario               | 62,373        | 5,456,052            | 4,820,970  |            |  |
| Manitoba              | 9,451         | 1,253,041            | 815,055    |            |  |
| Saskatchewan          | 16,282        | 1,025,472            | 577,95     |            |  |
| Alberta               | 29,512        | 4,240,681            | 1,602,634  |            |  |
| British Columbia      |               | 25,287               | 1,396,360  | 1,317,623  |  |
| Canada                |               | 153,367              | 13,935,498 | 9,794,091  |  |
| Total sales           |               |                      |            |            |  |
| New Brunswick         |               | 1,882                | 10,073     | 14,683     |  |
| Quebec                |               | 214,287              | 4,396,594  | 4,187,428  |  |
|                       |               | 767,705              | 28,306,215 | 22,543,421 |  |
| Ontario               |               | 115,997              | 4,186,202  | 2,642,42   |  |
| Manitoba              |               | 136,888              | 6,723,311  | 2,953,616  |  |
| Saskatchewan          |               | 290,938              | 18,482,666 | 5,933,911  |  |
| Alberta               |               | 7,337,726            | 6,809,239  |            |  |
| British Columbia      |               | 222,064<br>1,749,761 | 69,442,787 | 45,084,720 |  |
| Total exports         |               |                      | 55,356,723 | 14,285,499 |  |
|                       |               |                      |            |            |  |



### 5. Errata to Service Bulletin No. 1 - January 22, 1969

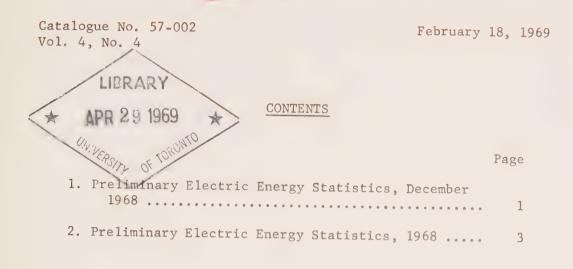
Page 3 - Column 4 Canada Cumulative 1967 should read 62,693,964

Column 5 Canada Cumulative 1967 should read 72,497,987



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## 1. Preliminary Electric Energy Statistics, December 1968 <u>Catalogue No. 57-001</u>

Net generation of electric energy increased 9.5% to 16,770,249 thousand kwh. in December 1968 from 15,309,893 thousand kwh. in December 1967. This is the largest percentage increase in net generation since August 1966. Significant increases occured in all provinces. The large increase was due in part to the below normal temperatures which prevailed across much of Canada during the month.

Imports and exports increased 50% and 13% respectively compared with December 1967. Secondary energy consumption continued to decline, having registered a 54% decrease in December. Firm energy consumption increased by 11.7% over December 1967. This represents the largest increase since May 1966.



### Preliminary Electric Energy Statistics

### (thousand kwh)

|                                 |            | December   |            |
|---------------------------------|------------|------------|------------|
|                                 | 1966       | 1967       | 1968       |
|                                 |            |            |            |
| Net generation - Hydro          | 12,254,396 | 11,958,160 | 12,315,882 |
| Thermal                         | 2,653,436  | 3,351,733  | 4,454,367  |
| Total net generation            | 14,907,832 | 15,309,893 | 16,770,249 |
| Energy imported from U.S.A      | 374,593    | 351,538    | 527,441    |
| Energy exported to U.S.A.:      |            |            |            |
| Firm                            | 54,718     | 57,852     | 70,817     |
| Secondary                       | 385,038    | 264,131    | 293,813    |
| Total exported to U.S.A         | 439,756    | 321,983    | 364,630    |
| Net energy used in Canada       | 14,842,669 | 15,339,448 | 16,933,060 |
| Secondary energy used in Canada | 500,379    | 299,757    | 138,843    |
| Firm energy used in Canada      | 14,342,290 | 15,039,691 | 16,794,217 |

### sed ligures.

### 2. Preliminary Electric Energy Statistics, 1968

Cumulative monthly data from firms which generate a minimum of 10 million kwh. per annum indicate that net generation of electric energy in Canada during 1968 amounted to 175,424 million kwh. compared with 164,788 million kwh. in 1967, and increase of 6.5%. Output from hydro plants which accounted for 77% of the total was up 1.8% while thermal generation increased 25%. The increases ranged from a low of 2.3% in Quebec to a high of 19% in Newfoundland.

Imports decreased fractionally to 4,129 million kwh. from 4,141 million kwh. in 1967. Exports declined to 3,657 million kwh. from 4,065 million kwh. the previous year. Ontario exports were down by 573 million kwh. while exports from British Columbia increased by 99 million kwh.

Secondary energy consumption dropped by 30% from 2,599 million kwh. in 1967 to 1,825,million kwh. in 1968. Quebec, British Columbia and Ontario were down 582 million kwh., 118 million kwh. and 58 million kwh. respectively.

Firm energy made available for use in Canada increased 7.3% to 174,071 million kwh.



# Preliminary Electric Energy Statistics

January - December 1968

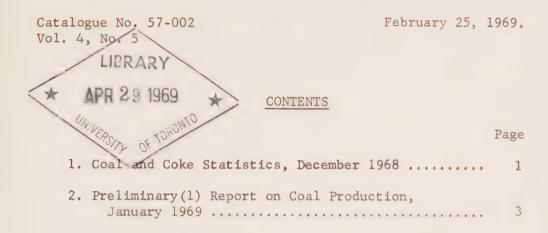
| North-<br>west<br>Terri-   |          | 197<br>38<br>235  |   | ı                             | ,      | ŧ     |  | 1 1   | 1 1           | 1     | 235                            | 70                              | 195  |   |                   |
|----------------------------|----------|---|---|-------------------------------|--------|-------|--|---|---------------|-------|--------------------------------|---------------------------------|--|---|-------------------|
| Yukon                      |          | 108<br>11<br>119  |   | 1                             |        | ŧ     |  | 1 1   | ž g           |       | 119                            | 25                              | 94   | 244*  |                   |
| British<br>Columbia        |          | 19,144<br>4,058<br>23,202                                 |   | 21                            | 1,494  | 1,515 |  | 24  | 4 669         | 727   | 23,990                         | 20                              | 23,970                                       | 22,174  |                   |
| Alberta                    |          | 1,063<br>6,598<br>7,661                                   |   | 25                            | 1      | 26    |  | 24  | 1 1           | 24    | 7,663                          | ı                               | 7,663  | 6,716   |                   |
| Saskat-<br>chewan          |          | 1,755<br>3,095<br>4,850                                   |   | 185                           | ì      | 185   |  | 655   | 1 1           | 199   | 4,374                          | 2                               | 4,372  | 3,937   |                   |
| Manitoba                   |          | 6,468 299 6,767   |   | 755                           | 1      | 755   |  | 50  | 1.            | 251   | 7,271                          | 102                             | 7,169  | 6,579   |                   |
| Ontario                    | kwh.     | 38,338<br>18,006<br>56,344                                |   | 4,888                         | 2,609  | 7,497 |  | 290   | 415 2,114     | 2,819 | 61,022                         | 100                             | 60,922                                       | 56,538  |                   |
| Quebec                     | millions | 61,588<br>3,485<br>65,073                                 |   | 308                           | prof.  | 309   |  | 3,680                                       | 16            | 4,899 | 60,483                         | 1,225                           | 59,258                                       | 56,757  |                   |
| New<br>Bruns-<br>wick      |          | 1,574<br>2,626<br>4,200                                   |   | 207                           | 24     | 231   |  | 238   | 306           | 626   | 3,805                          | 131                             | 3,674  | 3,311   |                   |
| Nova                       |          | 692<br>2,332<br>3,024                                     |   | 206                           | ŧ      | 206   |  | 165   | 1 1           | 165   | 3,065                          | 30                              | 3,035  | 2,836   |                   |
| Prince<br>Edward<br>Island |          | -<br>197<br>197   |   | 1                             | ı      | 1     |  | 1 1   | 1 1           | ŧ     | 197                            | 24                              | 173  | 160   |                   |
| New-<br>found-<br>land     |          | 3,677<br>75<br>3,752                                      |   | ,                             | 1      | ŧ     |  | 55  | 1 1           | 80    | 3,672                          | 126                             | 3,546  | 3,013   |                   |
| Canada<br>1968             |          | 134,604<br>40,820<br>175,424                              |   | :                             | 4,129  | 4,129 |  | : :   | 741 2,916     | 3,657 | 175,896                        | 1,825                           | 174,071                                      |   |                   |
| Canada<br>1967             |          | 132,162<br>32,626<br>164,788                              |   | :                             | 4,141  | 4,141 |  | : :   | 634           | 4,065 | 164,864                        | 2,599                           |  | 162,265   |                   |
|                            |          | Net generation - Hydro<br>Thermal<br>Total net generation | Energy received from other provinces and imported | Received from other provinces | States | Total | Energy delivered to other provinces and exported | Delivered to other provinces-Firm Secondary | States - Firm | Total | Total made available in Canada | Secondary energy used in Canada | Firm energy made available for use in Canada | Firm energy made available for use in Canada 1967 | * Includes N.W.T. |



STATISTIC

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### 1. Coal and Coke Statistics, December 1968, Cat. No. 45-002

Coal production for the month of December 1968 amounted to 1,071,552 tons an increase of 4.4% from the December 1967 production of 1,026,730 tons, while landed imports were 1,003,475 tons compared with 757,509 tons for the month of December 1967. Consumption by industrial consumers amounted to 1,963,689 tons of coal and 501,240 tons of coke, an increase of 409,995 tons of coal and an increase of 51,719 tons of coke from last year. The large increase in coal consumption was mainly due to increased use for the generation of electricity in Ontario and Alberta.

Industrial consumers' stocks of coal and coke rose to 6,828,709 tons from 6,654,319 tons in December 1967.

Coke production during the month of December 1968, increased to 446,808 tons from 397,122 tons in December 1967, while coke used in blast furnaces increased to 352,092 tons from 304,698 tons during the same period.



Coal and Coke Statistics, December 1968

|                            |            |                   | Coal                                    |  |  | Co   | ike  |
|----------------------------|------------|-------------------|---|--|--|--|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons   |  |  | <u> </u>                                     |
| Newfoundland               | -          | -                 | ~                                       |  | -  |  | -  |
| Prince Edward Island       | ~          | -                 | -                                       | ~  | -  | -  | -  |
| Nova Scotia                | 242,004    | 70,020            | 312,806                                 | 63,208                                       | 16,288                                       | 42,110                                       | -  |
| New Brunswick              | 73,781     | 252               | 79,235                                  | 61,544                                       | 54,276                                       | -  | -  |
| Quebec                     | -          | 18,367            | -                                       | 127,160                                      | 313,457                                      | 50,095                                       | 159,455                                      |
| Ontario                    | -          | 914,691           | -                                       | 1,238,606                                    | 5,822,799                                    | 381,485                                      | 115,626                                      |
| Manitoba                   | -          | 145               | -                                       | 42,975                                       | 90,984                                       | 402  | 505  |
| Saskatchewan               | 247,745    | -                 | 249,245                                 | 148,868                                      | 186,252                                      |  | -  |
| Alberta                    | 439,296    | -                 | 439,643                                 | 268,072                                      | 25,032                                       | 506  | 142  |
| British Columbia and Yukon | 68,726     | -                 | 77,246                                  | 13,256                                       | 9,449  | 26,642                                       | 34,444                                       |
| Total Canada 1968          | 1,071,552  | 1,003,475         | 1,158,175                               | 1,963,689                                    | 6,518,537                                    | 501,240                                      | 310,172                                      |
| Total Canada 1967          | 1,026,730  | 757,509           | 1,006,231                               | 1,553,694                                    | 6,384,327                                    | 449,521                                      | 269,992                                      |



### 2. Preliminary(1) Report on Coal Production

January 1969

Preliminary coal production for the month of January 1969 amounted to 1,148,977 tons, an increase of 5.6% from the January 1968 preliminary production of 1,088,402 tons. Landed imports were 200,935 tons compared with 109,765 tons for the same period last year.

Production and Landed Imports of Coal, by Provinces

|                                     | 1968              |                   | 1969              |                   |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|
|                                     | Production(3)     | Landed imports(2) | Production(3)     | Landed imports(2) |
|                                     |                   | net tons of       | 2,000 pounds      |                   |
| January                             |                   |                   |                   |                   |
| Newfoundland                        | -                 | 4,640             | -                 | 3,508             |
| Nova Scotia                         | 294,198           | 56,065            | 290,838           | 89,760            |
| New Brunswick                       | 68,931            | 71                | 66,313            | 246               |
| Quebec                              |                   | 14,736            | en                | 15,992            |
| Ontario                             | -                 | 34,182            | 00                | 91,336            |
| Manitoba                            | -                 | -                 | ano.              | 93                |
| Saskatchewan                        | 293,304           | 71                | 261,698           | _                 |
| Alberta - Bituminous Sub-bituminous | 79,370<br>285,740 | -                 | 76,877<br>376,901 | -                 |
| British Columbia and Yukon          | 66,859            | -                 | 76,350            | _                 |
| Canada totals                       | 1,088,402         | 109,765           | 1,148,977         | 200,935           |

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.

<sup>(2)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

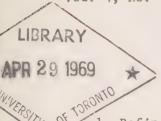
<sup>(3)</sup> All figures are preliminary.



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Catalogue No. 57-002 Vol. 4, No. 6 February 26, 1969.



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1. Refined Petroleum Products, November 1968 ...... 1

Production of refined petroleum products increased 5.4% in November to 34,236,847 barrels from 32,479,184 in the same month last year, according to an advance release of data that will be contained in the November issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 5.7% in November to 34,453,-678 barrels from 32,609,453 a year earlier. There was 0.8% less domestic crude at 18,544,737 barrels versus 18,688,656 barrels and 14.3% more imported crude at 15,908,941 barrels versus 13,920,797 barrels. Domestic disappearance of finished petroleum products increased 4.9% to 45,015,644 barrels from 42,908,279 barrels in the same month last year.

Sales of petroleum products in November increased 4.3% from last year, and sales for the first eleven months of 1968 are up 5.9% over the same period in 1967; an increase of 7.2% was noted for the first eleven months of 1967 over the previous year.

Inventories of all products were 96.1 million barrels at the end of November 1968; an increase of 4.8 million barrels over November 1967 and 4.2 million barrels over November 1966.



IMPORTS Into Canada Of Selected Petroleum Products, November 1968

|                                    | 9 1 4 4                       | 717700771                    | Diese1                    | Light<br>Canadian gallons     |   | - Total all                                  |
|------------------------------------|-------------------------------|------------------------------|---------------------------|-------------------------------|---|--|
|                                    | gasoline                      | stove oil                    |                           | nadian gallons                | Heavy                                     | produces                                     |
|                                    |                               | ba                           | barrels of 35 Ca          |                               |   |  |
| Maritimes Quebec Ontario All other | 10,113<br>649,573<br>9<br>632 | 192,978<br>461,831<br>53,725 | 434,648<br>250,908<br>295 | 211,469<br>748,436<br>520,645 | 834,926<br>2,790,980<br>33,557<br>270,852 | 1,980,782<br>5,662,506<br>968,291<br>299,675 |
| Canada total                       | 660,327                       | 708,825                      | 685,851                   | 1,480,550                     | 3,930,315                                 | 8,911,254                                    |
|                                    | M<br>S                        | 77                           |                           | Fuel oil                      |   |  |
|                                    | gasoline                      | stove oil                    | Diesel                    | Light                         | Heavy                                     | Total all products                           |
|                                    |                               | ba                           | barrels of 35 Ca          | Canadian gallons              |   |  |
| Maritimes                          | ı                             |                              |                           |                               |   |  |
| Ouebec                             |                               | 1 1                          | 12 500                    | \$                            | 0 20 0 1                                  | 1 0  |
| Ontario                            | 1                             | 7,015                        | 000674                    | 260 67                        | 700,00                                    | 17.2 7.57                                    |
| Saskatchewan                       | 1                             |                              | ı                         | 1000                          | C0067                                     | 140,401<br>2 713                             |
| Alberta                            | ı                             | 8                            | 1                         | ſ                             | 7 530                                     | 7 530  |
| British Columbia                   | 51,616                        | 10,117                       | 49,174                    | 10,760                        |   | 149,355                                      |
| Canada total                       | 51,616                        | 17,132                       | 61,683                    | 59,857                        | 67,957                                    | 389,593                                      |



- 3 -

|   | Total all products | Cumulative Cumulative<br>1968 1967 |                                |  |  |  |  |
|---|--------------------|------------------------------------|--------------------------------|--|--|--|--|
| r 1968  | Total all          | products                           |                                |  |  |  |  |
| ducts, November   |                    | Heavy                              | barrels of 35 Canadian gallons |  |  |  |  |
| Petroleum Pro   | Fuel oil           | Light                              | rels of 35 Car                 |  |  |  |  |
| a Of Selected   |                    | Diesel                             | bar                            |  |  |  |  |
| SALES In Canada Of Selected Petroleum Products, November 1968 | Kerosene           | Kerosene<br>stove oil              |                                |  |  |  |  |
| NET S   | Motor              | gasoline                           |                                |  |  |  |  |
|   |                    |                                    |                                |  |  |  |  |
|   |                    |                                    |                                |  |  |  |  |

|   | 168,618     | 146,069    | 232,296    | 213,537    | 214,921    | 1,044,350  | 11,111,165  | 10,003,769              |
|---|-------------|------------|------------|------------|------------|------------|-------------|-------------------------|
|   | 764,262     | 337,089    | 272,890    | 861,482    | 1,719,914  | 4,171,705  | 38,851,122  | 34,694,850              |
|   | 3,247,733   | 726,498    | 711,678    | 3,282,209  | 4,848,214  | 14,359,648 | 129,536,010 | 129,536,010 120,653,234 |
|   | 4,579,211   | 441,575    | 890,201    | 4,116,949  | 2,533,585  | 13,817,683 | 134,889,709 | 129,322,519             |
|   | 608,461     | 127,175    | 226,989    | 173,653    | 99,478     | 1,429,317  | 14,709,320  | 14,336,934              |
|   | 824,928     | 168,166    | 256,500    | 155,451    | 41,651     | 1,566,364  | 17,381,171  | 17,085,164              |
|   | 1,308,193   | 67,283     | 454,674    | 93,263     | 23,191     | 2,204,127  | 24,643,077  | 23,589,457              |
|   | 1,163,060   | 208,942    | 598,952    | 509,528    | 755,343    | 3,578,661  | 38,939,208  | 37,792,860              |
| 1 | 12,978      | 5,812      | 14,116     | 15,923     | 85         | 62,068     | 1,301,698   | 1,062,541               |
|   | 12,677,444  | 2,228,609  | 3,658,296  | 9,421,995  | 10,236,382 | 42,233,923 | F           | 1                       |
|   | 139,813,033 | 16,235,802 | 39,611,083 | 77,007,686 | 88,923,404 | 1          | 411,362,480 | ı                       |
|   | 131,742,929 | 16,170,478 | 37,899,080 | 72,121,387 | 82,347,549 | ı          | ı           | 388,541,328             |



Refinery Production In Canada Of Selected Petroleum Products, November 1968

|                                  | Motor       | Nor on on one |            | Fuel oil         |                  |                    | Total all       | products        |
|----------------------------------|-------------|---------------|------------|------------------|------------------|--------------------|-----------------|-----------------|
|                                  | gasoline    | stove oil     | Diesel     | Light            | Heavy            | rotal all products | Cumulative 1968 | Cumulative 1967 |
|                                  |             |               | ba         | barrels of 35 Ca | Canadian gallons | S                  |                 |                 |
| Newfoundland                     | (1)         | (1)           | 4          | (1)              | (1)              | (1)                | (1)             | (1)             |
| Maritimes                        | 1,116,024   | 168,729       | (F)        | 914,388          | 1,088,678        | 3,859,300          | 35,698,166      | 36,317,389      |
| One bec                          | 3,454,978   | 804,128       | 1,200,560  | 2,335,148        | 2,741,071        | 11,934,503         | 125,280,339     | 111,496,100     |
| Ontario                          | 3,712,540   | 266,180       | 833,616    | 1,389,126        | 1,458,489        | 8,351,981          | 108,893,267     | 104,353,093     |
| Manitoba                         | 565,844     | 43,523        | 184,486    | . 180,541        | 129,476          | 1,373,623          | 14,220,890      | 13,392,429      |
| Saskatchewan                     | 794,767     | 133,638       | 228,566    | 185,760          | 149,601          | 1,766,212          | 20,381,976      | 21,023,521      |
| Alberta                          | 1,676,137   | - 346,230     | 809,775    | 368,398          | 201,561          | 3,333,674          | 34,574,530      | 33,564,383      |
| British Columbia                 | 1,385,339   | 151,518       | 964,204    | 126,153          | 488,448          | 3,553,260          | 37,563,133      | 34,382,174      |
| North West Territories and Yukon | 36          |               | 25,413     | 9                | 5,876            | 64,294             | 706,257         | 643, 325        |
| Canada totals                    | 12,705,665  | 1,221,486     | 4,246,620  | 5,499,520        | 6,263,200        | 34,236,847         | f               | 8               |
| Canada cumulative 1968           | 134,770,617 | 16,622,127    | 44,672,933 | 58,633,338       | 66,313,068       | 0                  | 377,318,558     | P               |
| Canada cumulative 1967           | 127,939,800 | 16,513,214    | 41,041,460 | 55,537,541       | 60,438,214       | ı                  | P               | 355,172,414     |
| (1) Included with Maritimes.     | mes.        |               |            |                  |                  |                    |                 |                 |

(2)



ENERGY STATISTICS

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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 7

February 27, 1969

Government Publications

### Retail Gasoline Statistics by Metropolitan Area,

Fourth Quarter 1968

Retail sales of gasoline in Canada's major metropolitan areas for the Fourth quarter of 1968 were 359.6 million gallons. This amount was dispensed through 6,407 outlets.





The breakdown by area is as follows:

|   |                  |                 | Metropol:           | itan Areas |            |                  |
|---|------------------|-----------------|---------------------|------------|------------|------------------|
|   | Montreal         | Ottawa<br>Hull* | Toronto<br>Hamilton | Winnipeg*  | Vancouver* | Total            |
| Outlets   |                  |                 |                     |            |            |                  |
| Number of branded outlets Number of other outlets                 | 2,131<br>63      | 422             | 2,285<br>19         | 466        | 1,021      | 6,325<br>82      |
| Totals  | 2,194            | 422             | 2,304               | 466        | 1,021      | 6,407            |
| Gallonage ('000 gallons)  |                  |                 |                     |            |            |                  |
| Dispensed through branded outlets Dispensed through other outlets | 115,586<br>3,542 | 23,137          | 140,196<br>1,138    | 22,991     | 52,982     | 354,892<br>4,680 |
| Totals  | 119,128          | 23,137          | 141,334             | 22,991     | 52,982     | 359,572          |

<sup>\*</sup> In Winnipeg, Vancouver and Ottawa - Hull areas, branded and other outlets are combined.

Using estimated vehicle registration statistics, passenger cars per service station in the five metropolitan areas averaged 366. The Toronto-Hamilton area has an average of 420 passenger cars per station, followed by Ottawa-Hull with 396, Vancouver with 335, Winnipeg 333 and Montreal, 324.

Population per car in these metropolitan areas is estimated at 3.2. This compares favourably with the Canada figure of 3.5. The city of Vancouver has a population per car of 2.7, followed by Toronto-Hamilton, Ottawa-Hull, Montreal and Winnipeg with the last area registering a ratio of 3.3 persons per car.

During the fourth quarter of 1968, gasoline sold through retail pump outlets in the metropolitan areas averaged 136 gallons per vehicle. Montreal shows an average of 148 gallons; Vancouver 136; Winnipeg, 132; Toronto-Hamilton, 130; Ottawa-Hull, 124.

With the exception of Winnipeg and Vancouver, metropolitan areas are not identical with census metropolitan areas. Population and vehicle numbers for these are as follows:

|                 | Population* 1st June 1967 | Passenger cars(1,2)* | Commercial vehicles(1)* |
|-----------------|---------------------------|----------------------|-------------------------|
| Montreal        | 2,703,460                 | 711,500              | 95,000                  |
| Ottawa-Hull     | 517,418                   | 167,000              | 19.000                  |
| oronto-Hamilton | 2,806,179                 | 967,600              | 118,000                 |
| innipeg         | 514,000                   | 155,000              | 19,500                  |
| ancouver        | 923,000                   | 341,800              | 47,500                  |
| Total Canada    | 20,405,000                | 5,830,000            | 1,723,075               |

<sup>(1) 1967</sup> registrations.

<sup>(2)</sup> Taxis included.

<sup>\*</sup> Estimates.



# ERVICE BULLETIN

ENERGY STATISTICS

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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 8

March 7, 1969

Sales of Natural Gas December 1968 Catalogue No. 55-002

Total sales of natural gas to Canadian consumers for December 1968 were 85,196,733 Mcf. This was an increase of 12.4 of over the same month last year. Revenue from sales was \$57,852,398.

Sales to residential customers accounted for 50.8%, to industrial customers 25.3% and to commercial customers 23.9%.





### Sales of Natural Cas, December 1968

|                  | Custom                                  | ers       |              |            |
|------------------|---|-----------|--------------|------------|
|                  | Space heating                           | Total     | Gas sold     | Revenue    |
| Doni don ti a 1  | No.                                     |           | Mcf.         | \$         |
| Residential      | 1                                       |           |              |            |
| New Brunswick    | 130                                     | 1,811     | 3,733        | 12,134     |
| Quebec           | 104,240                                 | 223,485   | 2,004,465    | 2,971,415  |
| Ontario          | 570,625                                 | 706,589   | 12,051,008   | 14,437,137 |
| Manitoba         | 104,826                                 | 107,215   | 2,379,093    | 1,971,243  |
| Saskatchewan     | 116,401                                 | 121,212   | 2,542,712    | 1,810,536  |
| Alberta          | 259,534                                 | 262,730   | 6,723,637    | 3,352,286  |
| British Columbia | 178,834                                 | 196,992   | 3,889,329    | 4,828,056  |
| Canada           | 1,334,590                               | 1,620,034 | 29,593,977   | 29,382,807 |
| Industrial       |   |           |              |            |
| New Brunswick    |   |           |              |            |
| Quebec           |   | 2 (01     |              |            |
| Ontario          |   | 2,481     | 2,141,816    | 1,437,410  |
| Manitoba         |   | 7,828     | 15,070,418   | 8,868,463  |
| Saskatchewan     | ***********                             | 295       | 1,135,291    | 337,627    |
| Alberta          | ***********                             | 611       | 4,237,363    | 1,103,682  |
| British Columbia |   | 529       | 10,684,307   | 1,951,700  |
| Canada           |   | 283       | 2,660,706    | 954,591    |
| Canada           |   | 12,027    | 35,929,901   | 14,653,473 |
| Firm             |   | 10.000    | 06.000       |            |
| Interruptible    |   | 10,828    | 26,151,127   | 11,206,400 |
|                  |   | 1,199     | 9,778,774    | 3,447,073  |
| Commercial       |   |           |              |            |
| New Brunswick    |   | 60        | 2,666        | 5,307      |
| Quebec           |   | 11,965    | 720, 362     | 832,308    |
| Ontario          |   | 64,077    | 8,222,096    |            |
| Manitoba         |   | 9,560     | 1,525,454    | 7,247,225  |
| Saskatchewan     |   | 16,659    |              | 1,065,375  |
| Alberta          |   | 29,970    | 1,480,397    | 805,057    |
| British Columbia |   | · ·       | 5,937,846    | 2,198,352  |
| Canada           |   | 25,278    | 1,784,034    | 1,662,494  |
|                  | *************************************** | 157,569   | 19,672,855   | 13,816,118 |
| otal sales       |   |           |              |            |
| New Brunswick    |   | 1,871     | 6,399        | 17,441     |
| Quebec           | * | 237,931   | 4,866,643    | 5,241,133  |
| Untario          |   | 778,494   | 35,343,522   | 30,552,825 |
| Manitoba         |   | 117,070   | 5,039,838    |            |
| Saskatchewan     | *****                                   | 138,482   |              | 3,374,245  |
| Alberta          |   | 293, 229  | 8,260,472    | 3,719,275  |
| British Columbia |   |           | 23, 345, 790 | 7,502,338  |
| Canada           |   | 222,553   | 8,334,069    | 7,445,141  |
|                  |   | 1,789,630 | 85, 196, 733 | 57,852,398 |
| otal exports     |   |           | 57,422,747   | 14,489,304 |
| otal imports     | • |           | 4,363,397    | 2,008,224  |



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Price Indexes of Electric Utility Construction

Distribution Systems

Transmission Lines

Transformation and Switching Stations

1961=100

The base-weighted price indexes of the cost of constructing electric utility distribution systems, transmission lines and transformation and switching stations in Canada express prices for materials, labour and equipment in a given year, as a percentage of prices for the same components of cost in the base year 1961. Annual commodity, group and total indexes are presented herein for distribution systems, transmission lines and transformation and switching stations. Unless noted on the tables, indexes from 1956 to 1966 remain unchanged, the 1967 preliminary indexes, published in the July 1968 issue of "Prices and Price Indexes" have been reviewed and revised; the 1968 indexes are provided as preliminary estimates.

Users are asked to note that the transformation and switching station indexes have been defined to relate to stations "at generating plants". Appropriately adjusted indexes for transformation and switching stations at other locations will be published following the clarification of the appropriate federal sales tax rates for transformers at other locations.

### Characteristics of Recent Price Movement

To place recent index movements in their larger context a brief review of changes in the supply and demand characteristics relating to electric utility construction is provided.



Capital expenditures in Canada underwent a modest increase of about 4 percent in 1968, recovering somewhat from 1967 wherein expenditures held close to 1966 levels. The 1968 increase was smaller than the sharp increases of about 17 percent achieved in both 1966 and 1965.

Capital expenditures by electric utilities, increasing somewhat less than 3 percent over 1967 levels, showed sharply lower increases in 1968 than those recorded in the previous three years. The electric utilities share of the capital expenditure dollar has continued to show fractional changes and has, for the last four years stood at about 8 percent of the total. The continuing growth of utility capital expenditures has been accompanied by continued year to year increase in real output and net generating capability by electric utilities.

On the supply side, employment in construction and in the industry manufacturing heavy electrical equipment declined in 1968 as it had in 1967. The decline in employment accompanied a smaller decline in real output of the industry manufacturing heavy electric equipment. Imports of a selected list of important elements of electrical equipment declined in 1968 unlike 1967 which was a year of sharp increases. Most of the decline was attributable to declines in imports of turbo generators, components of switchgear and transmission towers.

Average bond yields for utilities underwent another sharp increase in 1968, an increase one point less than the increase of 13.2 percent which occurred in 1966.

The index behaviour accompanying these changes in aggregative supply and demand showed either declines or smaller increases: the transmission lines index rose 2.4 per cent in 1968 compared to the previous years increase of 5.1 per cent; the transformation and switching stations index declined 4.2 per cent, a larger decrease than occurred in 1967, none of which was attributable to changes which occurred in that year in Federal Sales Tax; the distribution systems index stands fractionally lower than its 1967 level.

This general pattern is reflected in the behaviour of item indexes. The exceptions to this pattern were items of small weight in the index.



| Price indexes of electric utility construction | 1965 | 1966    | 1967     | 1968 |
|--|------|---------|----------|------|
|  | 1964 | 1965    | 1966     | 1967 |
|  |      | Per cen | t change |      |

### Related Economic Indicators\*

| Capital expenditures in Canada(1)   |       | + 17.3<br>+ 21.6          | + 0.6<br>+ 13.6                       | + 4.1 + 2.6 |
|---|-------|---------------------------|---------------------------------------|-------------|
| proportion of capital expenditures in Canada Indexes of employment in construction(2) Index of real domestic product for electric |       | 7.6<br>+ 10.4             | 8.6<br>- 7.0r                         |             |
| power(3)  | + 8.9 | + 11.4<br>+ 3.9<br>+ 13.2 | + 8.8r<br>+ 8.4<br>+ 8.6 <sup>r</sup> | + 9.2       |
| electrical industrial equipment(6)  Index of real domestic product by manufactur-   |       |                           |                                       |             |
| ers of electrical industrial equipment(7)  Indexes of value of selected imported electrical equipment(8)                          |       |                           |                                       |             |

- (1) Public and Private Investment in Canada, DBS Catalogue 61-205 Annual.
- (2) Canadian Statistical Review, DBS Catalogue 11-003, Monthly.
- (3) Indexes of Real Domestic Product, by Industry, DBS Catalogue 61-506.
- (4) Annual Electric Power Survey of Capability and Load, DBS Catalogue 57-204, Annual.
- (5) McLeod, Young, Weir and Company, 50 King Street West, Toronto.
- (6) Employment and Average Weekly Wages and Salaries, DBS Catalogue 72-002.
- (7) Table I of Indexes of Real Domestic Product by Industry, DBS Catalogue 61-506, Annual, and Table II of Index of Industrial Production, without seasonal adjustment, DBS Catalogue 61-005, Monthly.
- (8) Imports of Commodities, DBS Catalogue 65-007, Monthly.
- \* In some instances 1968 data include estimates made by Prices Division staff relating to the concluding months of the year. Ratios published relating to earlier years have been revised to incorporate final figures published by the relevant divisions.
- r Revised figures.



| Price indexes of electric utility construction  | 1965  | 1966   | 1967                              | 1968   |
|---|---|--|-----------------------------------|--|
|   | 1964  | 1965   | 1966                              | 1967   |
|   |   | Per cent   | t change                          |  |
| Recent price index percentage changes   |   |  |                                   |  |
| Distribution systems Construction Materials Poles Conductors  | + 2.4   | + 4.9  | + 4.4                             | - 0.1  |
|   | + 4.3   | + 5.4  | + 5.8                             | + 0.6  |
|   | + 4.6   | + 6.2  | + 1.9                             | - 4.5  |
|   | + 12.9  | + 8.0  | - 4.1                             | - 4.9  |
|   | + 4.2   | + 8.9  | + 4.0                             | - 7.0  |
| Labour  | + 4.4   | + 4.7  | + 11.9                            | + 7.7  |
|   | + 1.0   | + 2.2  | + 5.2                             | + 2.4  |
|   | - 2.3   | + 3.6  | + 0.9                             | - 2.0  |
| Transmission lines  Materials  Poles, western cedar  Hardware  Towers  Conductors, ACSR  Insulators  Labour  Construction equipment                       | + 5.6   | + 4.1  | + 5.1                             | + 2.4  |
|   | + 6.1   | + 3.5 <sup>r</sup>                                 | + 2.5                             | + 0.4  |
|   | + 13.2  | + 13.5   | + 6.2                             | - 1.9  |
|   | + 0.1   | + 2.2 <sup>r</sup>                                 | + 5.7                             | + 0.2  |
|   | + 2.3   | 0.0  | - 4.9                             | + 0.4  |
|   | + 7.9   | + 1.5  | + 3.3                             | + 0.2  |
|   | + 4.5   | + 5.5  | + 5.4                             | + 4.2  |
|   | + 5.4   | + 6.4  | + 12.3                            | + 7.5  |
|   | + 1.6   | + 2.7  | + 4.7                             | + 2.7  |
| Transformation and switching stations at generating plants Structures and improvements Materials Buswork and conductors  In-place prices Earth excavation | + 10.0<br>+ 7.8<br>+ 9.9<br>+ 17.1<br>+ 16.2        | + 8.0<br>+ 10.0<br>+ 11.6                          | - 3.3<br>- 3.5                    | - 4.2<br>- 1.8<br>- 2.5<br>- 4.1                 |
| Crushed gravels  Labour  Station equipment  Power transformers  Switchgear and protective equipment  Power circuit breakers                               | + 18.8<br>+ 4.5<br>+ 5.7<br>+ 4.9<br>+ 9.7<br>+ 2.7 | + 6.8<br>+ 5.2<br>+ 3.6<br>+ 1.2<br>+ 6.5<br>+ 4.7 | + 12.7<br>- 6.6<br>- 7.1<br>- 4.3 | 0.0<br>+ 7.5<br>- 8.8<br>- 9.4<br>- 7.1<br>- 9.4 |



The following commodity indexes are of interest:

#### Poles

As can be seen, distribution poles prices have been considerably weaker than prices for transmission poles. Declines in the distribution pole index are attributed to inventory over-supplies in certain sizes and to declining demand. The decline in transmission poles is attributed to lower demand.

| Poles        | 1965   | 1966   | 1967  | <u>1968</u> |
|--------------|--------|--------|-------|-------------|
|              | 1964   | 1965   | 1966  | 1967        |
| Distribution | + 12.9 | + 8.0  | - 4.1 | - 4.9       |
|              | + 13.2 | + 13.5 | + 6.2 | - 1.9       |

#### Conductors

Sheathed Copper conductor and ACSR have exhibited sharply different price movement from the sheathed aluminum distribution conductors. A variety of reasons were put forward to explain the differential price behaviour but the major reasons cited for the price movement of the four types of conductor shown below related to declines in demand at a time when the industry has excess capacity.

| Conductors  | 1965  | 1966   | 1967  | 1968  |
|---|-------|--------|-------|-------|
|   | 1966  | 1965   | 1966  | 1967  |
| Distribution Triplex Polyethylene insulated - Aluminum Copper | + 2.3 | + 4.0  | + 2.4 | - 9.8 |
|   | + 2.4 | + 3.9  | + 2.1 | - 9.7 |
|   | + 8.9 | + 20.2 | + 7.5 | - 1.6 |
| Transmission ACSR   | + 7.9 | + 1.5  | + 3.3 | + 0.2 |

## Equipment

As can be seen from the table below all elements of equipment showed price declines in 1968 except meters. Distribution transformer prices moved lower in response to a strengthening of competition in the domestic market. Station equipment price declines were attributed to such factors as declines in the volume of new orders and the volume of new orders going to off-share producers, as well as declines in the prices of some material inputs.



| Equipment   | 1965  | 1966  | 1967  | 1968  |
|---|-------|-------|-------|-------|
|   | 1964  | 1965  | 1966  | 1967  |
| Distribution systems equipment  Meters  Transformers        | - 2.3 | + 3.6 | + 0.9 | - 2.0 |
|   | 0.0   | 0.0   | + 2.3 | + 1.0 |
|   | - 3.7 | + 6.1 | 0.0   | - 4.0 |
| Station equipment (at generating plants) Power transformers | + 5.7 | + 3.6 | - 6.6 | - 8.8 |
|   | + 4.9 | + 1.2 | - 7.1 | - 9.4 |
|   | + 2.7 | + 4.7 | - 8.3 | - 9.4 |
|   | + 9.7 | + 6.5 | - 4.3 | - 7.1 |

## Wage rates

Wage rates continued to advance in 1968 but less sharply than shown in the previous year. In addition rates of increase in all trades and in all provinces were comparable, most increases being of the order of 7.5 per cent, as can be seen from the table following:

| Wage rates                            | 1966<br>1965 | 1967<br>1966 | 1968<br>1967 | Pre-<br>liminary |
|---------------------------------------|--------------|--------------|--------------|------------------|
| Distribution systems                  |              |              |              |                  |
| Linemen                               | + / 6        | + 13.1       | + 7.5        |                  |
| Groundmen                             |              | + 10.2       |              |                  |
| Mechanics                             |              | + 12.5       |              |                  |
| Transmission lines                    |              |              |              |                  |
| Linemen                               | + 5.7        | + 14.3       | + 7 6        |                  |
| Groundmen                             |              | + 10.9       |              |                  |
| Mechanics                             |              | + 13.3       |              |                  |
| Transformation and switching stations |              |              |              |                  |
| Electricians                          |              | + 13.5       |              |                  |
| Labourers                             | + 6.1        | + 11.1       | + 8.0        |                  |



TABLE I. Price Indexes of Electric Utility Distribution Systems, Major Components and Items, Canada, Annually, 1956-67

|   |   |  |                                       |   |   |                                  | Ind                                       | Indexes                                   |   |  |  |  |  |      |
|---|---|--|---------------------------------------|---|---|----------------------------------|---|---|---|--|--|--|--|------|
| Total, major components and items   | 1956                                    | 1957                                   | 1958                                  | 1959                                      | 1960                                    | 1961                             | 1962                                      | 1963                                      | 1964                                      | 1965                                     | 1966   | Final<br>1967                            | Pre-<br>limi-<br>nary<br>1968            | 1969 |
| Distribution systems  | 95.1                                    | 96.5                                   | 93.2                                  | 96.8                                      | 100.3                                   | 100.0                            | 101.9                                     | 102.5                                     | 104.6                                     | 107.1                                    | 112.4  | 117.4                                    | 117.3                                    |      |
| Construction  | 92.7                                    | 91.9                                   | 93.5                                  | 96.3                                      | 98.5                                    | 100.0                            | 102.5                                     | 105.2                                     | 107.8                                     | 112.4                                    | 118.5  | 125.4                                    | 126.2                                    |      |
| Materials(I) Poles Eastern cedar Western cedar Crossarms                      | 103.8<br>99.1<br>120.8<br>97.7<br>113.1 | 100.4<br>97.5<br>101.9<br>97.2         | 98.7<br>99.1<br>101.3<br>99.0<br>94.9 | 100.6<br>104.8<br>116.2<br>104.1<br>110.2 | 100.3<br>99.3<br>100.2<br>99.2<br>105.7 | 100.0<br>100.0<br>100.0<br>100.0 | 101.8<br>104.0<br>109.0<br>103.6<br>111.9 | 103.9<br>108.4<br>112.1<br>108.1<br>116.6 | 105.2<br>107.3<br>109.1<br>107.2<br>128.0 | 110.0<br>121.1<br>109.8<br>121.8         | 116.8<br>130.8<br>121.4<br>131.4<br>129.9                              | 119.0<br>125.4(2)<br>-<br>133.2          | 113.6                                    |      |
| Hardware Secondary racks Other hardware Conductors Triplex Polyochylene insu- | 96.5<br>95.9<br>96.8<br>107.9           | 97.4<br>96.7<br>97.7<br>103.4<br>105.5 | 99,5<br>98.8<br>99.8<br>99.1          | 99.7<br>99.6<br>99.7<br>98.1              | 100.0<br>99.9<br>100.0<br>100.2         | 100.0<br>100.0<br>100.0<br>100.0 | 101.3<br>102.6<br>100.9<br>99.7           | 103.5<br>104.4<br>103.2<br>100.6<br>97.4  | 103.5<br>104.4<br>103.2<br>102.3<br>97.2  | 102.0<br>98.6<br>103.3<br>106.6<br>99.4  | 101.3 <sup>r</sup><br>90.1 <sup>r</sup><br>105.6 <sup>r</sup><br>116.1 | 106.8<br>94.4<br>1111.6<br>120.8         | 107.5<br>96.4<br>1111.8<br>112.3<br>95.5 |      |
| lated - Aluminum Copper Insulators Luminaires                                 | 102.9<br>123.0<br>94.9<br>96.1          | 105.5<br>96.9<br>95.2<br>97.1          | 102.3<br>89.3<br>95.9<br>97.0         | 97.8<br>99.0<br>98.7<br>99.2              | 100.0<br>100.7<br>102.0<br>100.1        | 100.0<br>100.0<br>100.0<br>100.0 | 98.1<br>104.6<br>100.6<br>101.2           | 97.4<br>110.3<br>101.4<br>102.7           | 97.3<br>117.5<br>101.4<br>103.0           | 99.6<br>128.0<br>106.0<br>98.5           | 103.5<br>153.9<br>111.8  | 105.7<br>165.5<br>117.8<br>95.7          | 95.4<br>162.9<br>122.7<br>90.2           |      |
| Labour Groundmen Linemen  | 75.7<br>75.0<br>76.1                    | 78.5<br>78.1<br>78.8                   | 84.9<br>84.6<br>85.1                  | 89.3<br>88.8<br>89.6                      | 95.3<br>95.0<br>95.5                    | 100.0<br>100.0<br>100.0          | 104.3<br>104.3<br>104.2                   | 108.3<br>108.5<br>108.2                   | 112.8<br>113.0<br>112.8                   | 117.8<br>118.0<br>117.6                  | 123.3<br>123.7<br>123.0  | 138.0<br>136.3<br>139.1                  | 148.6<br>147.3<br>149.5                  |      |
| Construction equipment  | 85.2<br>82.6<br>87.7<br>75.7<br>94.9    | 90.1<br>90.5<br>89.7<br>78.5           | 93.8<br>95.7<br>91.9<br>84.9<br>96.2  | 96.2<br>97.8<br>94.5<br>89.3              | 98.9<br>99.6<br>98.2<br>95.3            | 100.0<br>100.0<br>100.0<br>100.0 | 99.4<br>102.3<br>96.4<br>104.3<br>91.7    | 100.0<br>103.5<br>96.6<br>108.3<br>89.6   | 101.3<br>103.7<br>99.0<br>112.8           | 102.3<br>103.6<br>101.0<br>118.1<br>90.7 | 104.5<br>104.8<br>104.1<br>123.4<br>92.5                               | 109.9<br>108.3<br>111.4<br>138.8<br>95.0 | 112.5<br>109.4<br>115.7<br>149.7<br>95.2 |      |
| Distribution systems equipment(1) Meters                                      | 100.4<br>89.4<br>107.3                  | 106.6<br>96.7<br>112.9                 | 92.5<br>98.3<br>88.9                  | 97.9<br>99.1<br>97.1                      | 104.3<br>100.0<br>107.1                 | 100.0<br>100.0<br>100.0          | 100.4<br>100.0<br>100.6                   | 96.4<br>99.1<br>94.7                      | 97.6<br>98.6<br>96.9                      | 95.4<br>98.6<br>93.3                     | 98.8<br>98.6<br>99.0   | 99.7<br>100.9<br>99.0                    | 97.7<br>101.9<br>95.0                    |      |
| (1) Combined materials and distribution systems equipment index               | 102.3<br>derived                        | 103.1<br>from pri                      | 96.0<br>ce repor                      | 99.4<br>Es for we                         | 102.1<br>stern ced                      |                                  | 101.2 100.6 from 1967 forward.            | 100.6<br>forward.                         | 101.9                                     | 103.6                                    | 109.0  | 110.7                                    | 106.7                                    |      |

<sup>(3)</sup> In 1965, Federal Department of Labour Fair Wage Rates were replaced by wage rates reported by a sample of electric utilities and contractors. See also footnote 1, Table 4.

(4) The component indexes of Other Operating Expenses are shown in Table 2.

Revised figures.



TABLE II. Price Indexes of Electric Utility Transmission Lines, Major Components and Items, Canada, Annually, 1956-67

| Total, and terms   1956   1957   1958   1959   1960   1961   1962   1963   1964   1965   1966   1961   1965   1966   1961   1965   1966   1961   1965   1966   1961   1965   1966   1961   1965   1966   1961   1965   1966   1962   19   |                                      |       |                   |        |       |       |       | Indexes | exes  |       |        |                     |               |                               |      |
|--|--------------------------------------|-------|-------------------|--------|-------|-------|-------|---------|-------|-------|--------|---------------------|---------------|-------------------------------|------|
| 98.5 100.3 99.8 100.0 100.1 100.9 102.3 102.7 108.5 113.0 118.8 95.8 97.3 99.8 100.0 100.1 100.0 101.3 100.1 100.5 99.6 105.7 109.4 112.1 97.4 94.9 100.0 100.1 100.1 111.6 128.1 111.5 111.5 111.5 111.5 111.5 99.8 99.8 100.0 100.0 100.0 100.1 111.6 128.1 111.5 110.5 110.7 138.8 110.8 110.8 10.8 10.8 110.8 111.5 110.5 110.7 138.8 110.8 110.8 10.8 10.8 110.8 110.5 110.7 138.8 110.8 110.8 110.8 10.8 110 | Total, major components<br>and items | 1956  | 1957              | 1958   | 1959  | 1960  | 1961  | 1962    | 1963  | 1964  | 1965   | 1966                | Final<br>1967 | Pre-<br>limi-<br>nary<br>1968 | 1969 |
| 98.5         100.3         99.7         90.0         100.0         100.9         102.7         108.5         113.0         118.8           98.5         100.3         99.8         100.0         100.0         100.1         100.5         100.7         100.4         113.1           97.8         97.2         99.0         100.2         100.0         101.3         103.1         103.5         104.7         114.0°         115.5           90.8         97.2         99.0         100.2         100.0         100.4         103.8         115.2         130.2         110.6         111.9         116.6         128.2         129.9         110.6         111.9         116.6         128.2         129.9         110.6         111.9         116.6         128.2         129.9         113.8         113.2         113.8         113.8         113.2         113.8         113.9         113.9         113.9 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>   |                                      |       |                   |        |       |       |       |         |       |       |        |                     |               |                               |      |
| 98.5         100.1         99.8         100.0         100.3         100.0         100.0         100.0         100.1         100.0         101.3         100.1         100.0         101.3         100.1         100.0         101.3         100.1         114.0         115.5           95.8         97.2         98.8         102.0         100.2         100.0         101.3         103.1         103.5         108.7         114.0         115.5           96.8         97.7         99.0         100.2         100.0         101.9         103.2         103.7         113.8           90.8         97.7         99.0         100.0 <td< td=""><td>Transmission lines</td><td>92.1</td><td>4.46</td><td>95.7</td><td>97.0</td><td>98.9</td><td>100.0</td><td>100.9</td><td>102.3</td><td>102.7</td><td>108.5</td><td>113.0</td><td>118</td><td>7 101</td><td></td></td<>  | Transmission lines                   | 92.1  | 4.46              | 95.7   | 97.0  | 98.9  | 100.0 | 100.9   | 102.3 | 102.7 | 108.5  | 113.0               | 118           | 7 101                         |      |
| 98.5         100.1         99.6         100.5         99.9         100.5         99.9         100.5         99.9         100.7         100.4         100.5         99.6         100.7         114.0°         112.1           95.8         97.7         98.8         102.0         100.1         100.4         103.5         108.7         114.0°         113.5           97.7         99.8         102.0         100.0         100.0         100.4         103.2         103.2         114.0°         118.8           90.8         97.7         99.8         100.0         100.0         100.0         100.2         103.2         103.2         103.9         118.9         113.5         111.6         113.2         103.9         103.9         103.2         100.0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.01</td><td>•</td><td>121. /</td><td></td></td<>   |                                      |       |                   |        |       |       |       |         |       |       |        | 0.01                | •             | 121. /                        |      |
| 95.8         97.3         98.8         102.0         100.3         100.0         101.3         103.5         103.5         104.0         115.0         103.5         104.0         115.2         103.5         104.0         115.2         103.2         103.7         118.8           13.1         97.4         99.4         100.2         100.0         100.0         100.2         103.2         103.7         103.9         103.2         103.9 <td>Materials</td> <td>98.5</td> <td>100.3</td> <td>8.66</td> <td>100.0</td> <td>100.3</td> <td>100.0</td> <td>6.66</td> <td>100.5</td> <td>9.66</td> <td>105.7</td> <td>109, 4<sup>r</sup></td> <td>112.1</td> <td></td> <td></td>  | Materials                            | 98.5  | 100.3             | 8.66   | 100.0 | 100.3 | 100.0 | 6.66    | 100.5 | 9.66  | 105.7  | 109, 4 <sup>r</sup> | 112.1         |                               |      |
| 97.7         97.2         99.0         104.1         99.2         100.0         100.4         103.8         101.8         115.2         130.7         138.8         133.2         139.2         139.2         130.7         111.6         110.3         100.3         100.0         100  | Poles, towers and fixtures           | 95.8  | 97.3              | 98.8   | 102.0 | 100.3 | 100.0 | 101.3   | 103.1 |       | 108.7  | 114.0r              | 115.5         | 115.4                         |      |
| 113.1         97.4         94.9         110.2         105.7         100.0         111.9         116.6         128.0         128.2         129.9         133.2         1  | Poles, western cedar                 | 97.7  | 97.2              | 0.66   | 104.1 | 99.2  | 100.0 | 100.4   | 103.8 |       | 115.2  | 130, 7              | 138.8         | 136.2                         |      |
| 90.8         91.1         92.0         92.0         92.0         100.0         100.0         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.1         100.2         100.  | Crossarms                            | 113.1 | 97.4              | 94.9   | 110.2 | 105.7 | 100.0 | 111.9   | 116.6 | 128.0 | 128.2  | 129.9               | 133.2         | 138.3                         |      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | Towers                               | 8.06  | 97.1              | 0.66   | 8.66  | 100.0 | 100.0 | 100.0   | 100.0 | 100.0 | 102.3  | 105.67              | 97.3          | 111.8                         |      |
| 102.4         105.0         101.0         98.1         97.3         94.4         101.9         103.4         106.0         100.0         100.0         100.0         100.0         101.4         101.4         101.9         103.4         106.8            94.9         95.2         95.2         98.7         102.0         100.0         100.6         101.4         101.4         106.0         111.8         118.9         126.5         142.0           75.2         78.3         84.5         88.3         94.6         100.0         104.7         108.8         113.0         119.2         127.5         141.4           76.0         78.7         78.0         89.9         99.4         100.0         104.5         108.8         113.0         119.2         127.5         141.4           76.0         78.7         86.0         89.3         94.6         100.0         104.5         108.2         112.5         114.0         117.8         116.0         117.8         116.0         117.8         116.0         117.8         116.0         117.8         116.0         117.8         116.0         117.8         116.0         117.8         116.0         117.0         118.0         117.0         117.0   | Conductors and insulators            | 101.2 | 103.5             | 100.9  | 97.9  | 100.3 | 100.0 |         | 97.9  | 95.5  | 102.6  | 104.7               |               | 109.5                         |      |
| 94.9         95.2         95.9         98.7         102.0         100.0         100.6         101.4         101.4         106.0         111.8         117.8           75.2         78.3         84.5         88.7         94.9         100.0         104.6         108.6         112.8         118.9         126.5         142.0           76.0         78.7         78.0         88.2         94.6         100.0         104.7         108.8         113.0         119.2         127.5         141.4           76.0         78.7         88.2         94.5         100.0         104.7         108.8         113.0         119.2         127.5         141.4           76.0         78.7         88.2         94.3         97.5         100.0         104.1         104.9         107.2         109.0         110.8           76.9         88.2         94.3         97.5         100.0         104.1         104.9         107.2         109.0         110.8           76.9         88.6         89.8         93.5         100.0         104.1         104.9         107.2         109.0         110.8           75.1         79.9         88.0         99.6         100.0         102.3   | Conductors, ACSR                     | 102.4 | 105.0             | 101.9  | 97.7  | 100.0 | 100.0 | 1.86    | 97.3  | 7.76  | 101.9  | 103.4               |               | 107.0                         |      |
| 75.2         78.3         84.5         88.7         94.9         100.0         104.6         108.6         112.8         118.9         126.5         142.0           76.0         78.1         78.0         84.2         88.3         94.6         100.0         104.7         108.8         113.0         119.2         126.5         142.0           76.0         78.7         78.0         88.3         94.6         100.0         104.7         108.8         113.0         119.2         127.5         141.4           76.2         88.2         91.5         94.3         97.5         100.0         104.1         104.9         107.2         109.0         111.6         115.7         143.0           76.2         84.3         89.9         93.2         100.0         104.1         104.9         107.2         109.0         111.6         115.7         116.3         116.3         116.3           75.1         79.9         86.0         95.7         95.1         100.0         104.1         104.9         107.2         109.0         111.6         115.3         116.3         116.3           80.2         95.7         97.8         99.5         100.0         102.3         106.2  | Insulators                           | 6.46  | 95.2              | 95.9   | 98.7  | 102.0 | 100.0 | 100.6   | 101.4 | 101.4 | 106.0  | 111.8               |               | 122.7                         |      |
| 75.2         78.3         84.5         88.7         94.9         100.0         104.6         108.6         112.8         118.9         126.5         142.0           74.7         78.0         84.2         88.3         94.6         100.0         104.7         108.8         113.0         119.2         127.5         141.4           76.0         78.7         85.0         89.3         94.6         100.0         104.5         108.2         112.5         118.4         125.1         143.0           78.2         88.2         91.5         96.3         95.4         100.0         104.1         108.2         112.5         118.4         125.1         143.0           78.2         88.2         91.5         90.2         99.2         100.0         104.1         106.2         111.0         113.2         116.3         115.7           76.9         88.6         89.8         93.5         100.0         104.1         105.2         100.0         111.0         112.2         116.3         116.3           82.6         90.5         95.4         90.0         100.0         104.2         106.2         110.0         111.0         111.0         116.3         111.0         116.3   |                                      |       |                   |        |       |       |       |         |       |       |        |                     |               |                               |      |
| 74.7         78.0         84.2         88.3         94.6         100.0         104.7         108.8         113.0         119.2         127.5         141.4           76.0         78.7         85.0         89.3         95.4         100.0         104.5         108.2         112.5         118.4         125.1         143.0           76.0         78.7         88.2         91.5         94.3         97.5         100.0         99.2         99.4         101.4         103.0         105.8         110.8           76.9         84.3         89.9         97.5         100.0         104.1         104.9         107.2         109.0         111.6         115.7           76.9         86.0         89.8         93.5         100.0         104.2         106.2         111.0         112.3         116.3         115.7           75.1         79.9         86.0         89.8         93.5         100.0         105.6         105.0         106.8         111.2         116.3         116.3           75.2         78.3         86.0         89.8         100.0         102.3         103.7         103.6         116.8         116.3         116.3         116.3         116.3         116.3   | Labour                               | 75.2  | 78.3              | 84.5   | 88.7  | 6.46  | 100.0 | 104.6   | 108.6 | 112.8 | 118.9  | 126.5               | 142.0         | 152.7                         |      |
| 84.2         88.2         91.5         94.3         97.5         100.0         99.2         99.4         101.4         103.0         105.8         110.8           78.2         84.3         89.9         93.2         100.0         104.1         104.9         107.2         109.0         111.6         115.7           76.9         82.6         87.9         92.0         95.3         100.0         104.2         106.2         111.0         112.3         115.7           75.1         79.9         86.0         89.8         93.5         100.0         105.6         105.0         106.8         111.2         117.6         115.7           82.6         90.5         95.7         97.8         99.6         100.0         102.3         103.7         103.6         106.8         112.3         116.3         116.3           90.2         92.1         96.0         97.8         100.0         102.3         103.7         103.6         106.8         1108.3         106.9         106.0         106.0         107.6         108.6         112.8         118.1         124.4         141.0         105.9         106.0         107.0         107.6         108.6         107.0         107.0         1   | Groundmen                            | 74.7  | 78.0              | 84.2   | 88.3  | 94.6  | 100.0 | 104.7   | 108.8 | 113.0 | 119.2. | 127.5               | 141.4         | 151.9                         |      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  |                                      |       |                   |        |       |       |       |         |       |       |        |                     | 9             | 173.7                         |      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | Construction equipment               | 84.2  | 88.2              | 91.5   | ٤ 76  | 97 5  | 100 0 | 00 0    | 7 00  | 101   | 103.0  | 105 0               | 0             | (<br>7                        |      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | Equipment                            | 78.2  | 84.3              | 89.9   | 93.2  | 96.1  | 100.0 | 104.1   | 104.9 | 107.2 | 109.0  | 111.6               | 115.7         | 118.8                         |      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | Bulldozers                           | 76.9  | 82.6              | 87.9   | 92.0  | 95.3  | 100.0 | 104.2   | 106.2 | 111.0 | 112.3  | 112.5               | 116.3         | 119.7                         |      |
| 90.2 92.1 <sup>r</sup> 93.1 95.4 98.8 100.0 94.3 93.8 95.7 97.0 100.0 105.9 155.2 78.3 <sup>r</sup> 84.5 88.7 94.9 100.0 104.6 108.6 112.8 118.1 124.4 141.0 195.2 96.0 97.7 100.1 100.0 101.7 103.1 101.3 98.1 97.7 98.6 99.8 99.9 99.5 100.0 101.7 103.1 101.3 98.1 97.7 98.6 99.6 100.0 100.0 101.7 103.1 101.3 98.1 88.8 88.8 89.7 91.0 94.1 94.1 94.5 96.0 98.4 100.0 100.0 100.0 99.8 99.5 99.5 102.9 107.6 99.8 99.5 99.5 100.0 100.0 100.0 99.8 81.9 84.6 88.7 99.1 107.6 99.1 92.5 89.7 88.9 88.9 100.0 100.0 100.8 100.8 100.8 100.5 99.7 101.3 93.1 92.5 99.6 97.3 100.0 100.0 100.1 103.7 103.5 103.9 104.4 108.0  | Trucks                               | 82.6  | 90.5              | 86.0   | 97.8  | 93.5  | 100.0 | 105.6   | 105.0 | 106.8 | 111.2  | 117.6               | 122.3         | 127.2                         |      |
| 75. 2         78. 3 <sup>x</sup> 84. 5         88. 7         94. 9         100. 0         104. 6         108. 6         112. 8         118. 1         124. 4         141. 0           95. 2         96. 7         96. 0         97. 7         100. 1         100. 0         90. 8         88. 9         90. 0         89. 9         91. 8         94. 2           99. 1         103. 2         97. 9         99. 6         100. 0         101. 7         103. 1         101. 3         98. 1         97. 7         98. 6           96. 5         99. 6         99. 9         99. 5         100. 0         98. 3         90. 7         91. 5         88. 4         88. 8         89. 7           94. 4         94. 1         94. 5         96. 0         98. 4         100. 0         100. 0         99. 8         99. 5         99. 5         107. 6           94. 4         94. 1         94. 5         96. 0         98. 4         100. 0         79. 1         79. 6         88. 4         88. 7         97. 1           93. 4         95. 5         107. 0         100. 0         100. 8         100. 8         100. 8         100. 8         100. 8         100. 8         100. 8         100. 8         100. 8         100. 7  | Operating expenses                   | 90.2  | 92.1 <sup>r</sup> | 93.1   | 95.4  | 98.8  | 100.0 | 94.3    | 93.8  | 95.7  | 97.0   | 100.0               | 105.9         | 108.9                         |      |
| 95.2         96.7         96.0         97.7         100.1         100.0         90.8         88.9         90.0         89.9         91.8         94.2           99.1         103.2         97.9         99.6         100.0         101.7         103.1         101.3         98.1         97.7         98.6           96.5         99.6         99.9         99.5         100.0         98.3         90.7         91.5         88.4         88.8         89.7           94.4         94.1         94.5         96.0         98.4         100.0         79.1         79.6         81.9         88.9         107.6           94.4         94.1         92.8         96.0         98.4         100.0         79.1         79.6         81.9         84.6         88.7         107.6           93.1         92.5         89.7         88.9         100.0         100.8         100.8         102.9         99.7         101.3           93.4         95.5         107.0         100.0         100.8         100.8         102.9         99.7         101.3           93.4         95.5         97.3         98.7         100.0         103.7         103.5         103.9         104.4   | Mechanics (1)                        | 75.2  | 78.3 <sup>r</sup> | 84.5   | 88.7  | 6.46  | 100.0 | 104.6   | 108.6 | 112.8 | 118.1  | 124.4               | 141.0         | 151 8                         |      |
| 99.1 103.2 97.9 99.6 100.0 100.7 103.1 101.3 98.1 97.7 98.6 86.5 99.6 99.8 99.9 100.0 98.3 90.7 91.5 88.4 88.8 89.7 91.6 94.4 94.1 94.5 96.0 98.4 100.0 79.1 79.6 81.9 84.6 88.7 92.1 93.1 92.5 89.7 88.9 100.0 100.0 100.8 10 | Other Operating Expenses             | 95.2  | 2.96              | 0.96   | 97.7  | 100.1 | 100.0 | 8.06    | 88.9  | 0.06  | 6.68   | 91.8                | 94.2          | 94.5                          |      |
| 96.5 99.6 99.8 99.9 99.5 100.0 98.3 90.7 91.5 88.4 88.8 89.7 91.5 94.1 94.5 96.0 98.4 100.0 100.0 99.8 99.2 99.5 102.9 107.6 94.4 94.1 92.8 96.0 101.7 100.0 79.1 79.6 81.9 84.6 88.7 92.1 93.1 92.5 89.7 88.9 88.9 100.0 100.8 100.8 100.8 100.5 99.7 101.3 93.4 95.3 96.6 97.3 98.7 100.0 101.0 103.7 103.5 103.9 104.4 108.0  | Diesel fuel                          | 1.66  | 103.2             | 97.9   | 9.66  | 100.0 | 100.0 | 101.7   | 103.1 | 101.3 | 98.1   | 7.76                | 98.6          | 102.7                         |      |
| 93.4 95.3 96.6 97.3 98.7 100.0 101.0 103.7 103.5 103.9 104.4 108.0   | Tubricating oile                     | 96.5  | 99.6              | 8.66   | 6.66  | 99.5  | 100.0 | 98.3    | 90.7  | 91.5  | 88.4   | 88.8                | 89.7          | 0.06                          |      |
| 93.1 92.5 89.7 88.9 88.9 100.0 101.0 103.7 103.5 103.9 104.4 108.0 93.4 95.3 96.6 97.3 98.7 100.0 101.0 103.7 103.5 103.9 104.4 108.0  | Tires                                | 0.16  | 94 . 1            | 0.44.0 | 0.06  | 101 7 | 100.0 | 100.0   | 99.8  |       | 99.5   | 102.9               | 107.6         | 112.4                         |      |
| 93.4 95.3 96.6 97.3 98.7 100.0 101.0 103.7 103.5 103.9 104.4 108.0   | Tubes                                | 93.1  | 92.5              | 89.7   | 88.9  | 88.9  | 100.0 | 100.8   | 100.8 | 100.8 | 102.5  | 99.7                | 92.1          | 90.9                          |      |
|  | Repair parts                         | 93.4  | 95.3              | 9.96   | 97.3  | 98.7  | 100.0 | 101.0   | 103.7 | 103.5 | 103.9  | 104.4               | 108.0         | 110.0                         |      |

Table 5. r Revised figures.



TABLE III. Price Indexes of Electric Utility Transformation and Switching Stations, Major Components and Items, Canada, Annually, 1956-67

| Total, major components and items   | 1956                           | 1957                           | 1958                          | 1959                           | 1960                             | 1961                             | 1962                             | 1963                             | 1964                             | 1965                             | 1966                             | Final<br>1967                    | Pre-<br>limi-<br>nary<br>1968    | 1969 |
|---|--------------------------------|--------------------------------|-------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------|
|   |                                |                                |                               |                                |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |      |
| Transformation and switching stations   | 115.2                          | 118.1                          | 109.0                         | 113.5                          | 109.8                            | 100.0                            | 104.5                            | 107.2                            | 111.7                            | 118.7                            | 123.7                            | 122.5                            | 117.3                            |      |
| Structures and improvements   | 110.1                          | 105.6                          | 101.3                         | 102.6 <sup>r</sup>             | 103.3                            | 100.0                            | 102.6                            | 109.0                            | 113.1                            | 124.4                            | 131.4                            | 125.2                            | 122.9                            |      |
| Materials   | 100.0                          | 8.66                           | 0.66                          | 93.6                           | 100.5                            | 100.0                            | 100.4                            | 103.5                            | 109.1                            | 117.6                            | 122.6                            | 116.2                            | 113.3                            |      |
| Ready-mix concrete(1) Steel structures Wooden structures Buswork and conductors | 99.8<br>92.3<br>102.2<br>109.6 | 100.0<br>97.4<br>97.1<br>103.5 | 100.0<br>99.0<br>97.1<br>99.0 | 100.0<br>99.8<br>103.9<br>98.3 | 100.0<br>100.6<br>102.5<br>100.2 | 100.0<br>100.0<br>100.0<br>100.0 | 100.3<br>100.1<br>104.2<br>100.0 | 104.2<br>102.4<br>108.9<br>103.5 | 107.3<br>107.1<br>116.0<br>110.8 | 112.0<br>114.7<br>125.0<br>121.8 | 118.3<br>115.7<br>129.8<br>131.6 | 121.7<br>104.2<br>125.2<br>127.9 | 123.0<br>101.7<br>123.2<br>122.7 |      |
| In-place prices   | 149.9                          | 128.5                          | 110.6                         | 114.3                          | 114.1                            | 100.0                            | 111.2                            | 130.4                            | 129.0                            | 151.0                            | 166.1                            | 160.6                            | 160.6                            |      |
| Earth excavation  | 161.4<br>131.0                 | 132.4<br>122.1                 | 113.6<br>105.6                | 116.7                          | 121.9                            | 100.0                            | 118.8                            | 145.0                            | 139.1                            | 161.7                            | 180.4                            | 174.0                            | 174.0                            |      |
| Labour (2)  | 74.3                           | 77.6                           | 82.5                          | 88.6                           | 94.7                             | 100.0                            | 104.3                            | 107.6                            | 111.5                            | 116.5                            | 122.5                            | 138.0                            | 148.3                            |      |
| Common labourer   | 71.2                           | 75.4                           | 81.3                          | 87.3                           | 93.9                             | 100.0                            | 105.6                            | 109.3                            | 114.2                            | 119.2                            | 126.5                            | 140.6                            | 151.8                            |      |
| Station equipment   | 127.9                          | 132.6                          | 118,4                         | 123.2                          | 115.7                            | 100.0                            | 105.1                            | 106.7                            | 111.5                            | 117.9                            | 122.1                            | 117.4                            | 107.2                            |      |
| Circuit breakers  | 142.5                          | 154.3                          | 130.6                         | 136.3                          | 121.5                            | 100.0                            | 108.3                            | 105.8                            | 109.8                            | 115.2                            | 116.6                            | 115.1                            | 104.3                            |      |
| tive equipment  | 128.9                          | 122.9                          | 114.4                         | 117.9                          | 114.6                            | 100 0                            | 102 7                            | 108 //                           | 113 3                            | 127. 3                           | 130 /                            | 7 36 7                           | 1177                             |      |

<sup>(1)</sup> Additional prices were incorporated into the index beginning in 1962. The present sample is sufficiently extensive that regional indexes are available monthly from mid 1967 onward.

(2) See footnote(1) Table 6.



TABLE IV. Wage Rate Indexes for Distribution Systems Construction, Canada and Nine Provinces, 1956-67(1)

|                  |      |      |      |      |      |       |        | Indexes |       |       |       |               |                               |      |
|------------------|------|------|------|------|------|-------|--------|---------|-------|-------|-------|---------------|-------------------------------|------|
|                  | 1956 | 1957 | 1958 | 1959 | 1960 | 1961  | 1962   | 1963    | 1964  | 1965  | 1966  | Final<br>1967 | Pre-<br>limi-<br>nary<br>1968 | 1969 |
| Linemen          |      |      |      |      |      |       |        |         |       |       |       |               |                               |      |
| Newfoundland     | 74.2 | 9.92 | 87.9 | 9.06 | 6.96 | 100.0 | 104.3  | 105.5   | 107.4 | 110.7 | 115,5 | 118.9         | 130.3                         |      |
| Nova Scotia      | 74.2 | 9.92 | 87.9 | 9.06 | 6.96 | 100.0 | 104.3  | 105.5   | 107.4 | 113.6 | 119.3 | 126.4         | 142.6                         |      |
| New Brunswick    | 74.2 | 9.9/ | 87.9 | 9.06 | 6.96 | 100.0 | 104.3  | 105.5   | 107,4 | 112.2 | 117.4 | 129.4         | 140.2                         |      |
| Quebec           | 73.9 | 75.0 | 81.8 | 86.9 | 93.7 | 100.0 | 109.7  | 113.6   | 118.7 | 123.5 | 128.7 | 160.6         | 168.7                         |      |
| Ontario          | 78.2 | 81.2 | 83.9 | 85.6 | 9.46 | 100.0 | 103.4  | 106.7   | 110.4 | 114.9 | 119.8 | 130.1         | 140.7                         |      |
| Manitoba         | 17.6 | 80.8 | 88.5 | 94.2 | 97.4 | 100.0 | 100.0  | 105.1   | 110.9 | 113.9 | 117.3 | 126.8         | 137.6                         |      |
| Saskatchewan     | 77.6 | 80.8 | 88.5 | 94.2 | 97.4 | 100.0 | 100.0  | 105.1   | 110.9 | 116.8 | 122.7 | 133.3         | 141.2                         |      |
| Alberta          | 77.4 | 82.2 | 86.3 | 91.1 | 94.5 | 100.0 | 102.4  | 104.1   | 108.2 | 112.6 | 122.6 | 130.4         | 144.4                         |      |
| British Columbia | 74.2 | 78.2 | 87.7 | 95.4 | 98.2 | 100.0 | 101.8  | 107.4   | 112.3 | 119.2 | 126.5 | 138.4         | 151.7                         |      |
| Canada           | 76.1 | 78.8 | 85.1 | 9.68 | 95.5 | 100.0 | 104.2  | 108.2   | 112.8 | 117.6 | 123.0 | 139.1         | 149.5                         |      |
| Groundmen        |      |      |      |      |      |       |        |         |       |       |       |               |                               |      |
| Newfoundland     | 81.0 | 86.4 | 90.5 | 92.5 | 9.96 | 100.0 | 106.1  | 110,9   | 115.6 | 117.0 | 121.4 | 125.8         | 139.0                         |      |
| Nova Scotia      | 81,0 | 4.98 | 90.5 | 92.5 | 9.96 | 100.0 | 106.1  | 110.9   | 115.6 | 120.9 | 125.6 | 133.6         | 149.6                         |      |
| New Brunswick    | 81.0 | 7.98 | 90.5 | 92.5 | 9.96 | 100.0 | 106,1  | 110.9   | 115.6 | 120.0 | 126.7 | 135.6         | 146.9                         |      |
| Quebec           | 73.9 | 75.0 | 81.8 | 86.9 | 93.7 | 100.0 | 1.09.7 | 113.6   | 118.7 | 124.0 | 129.8 | 146.9         | 154.5                         |      |
| Ontario          | 74.0 | 78.2 | 84.4 | 86.0 | 8.46 | 100.0 | 102.9  | 106.2   | 109.4 | 114.4 | 119.8 | 130.8         | 143.5                         |      |
| Manitoba         | 77.6 | 80.8 | 88.5 | 94.2 | 97.4 | 100.0 | 100.0  | 105.1   | 110,9 | 116.5 | 120.7 | 136.1         | 149.3                         |      |
| Saskatchewan     | 9.77 | 80.8 | 88.5 | 94.2 | 97.4 | 100.0 | 100.0  | 105.1   | 110.9 | 113.9 | 118.7 | 124.7         | 131.9                         |      |
| Alberta          | 71.8 | 73.9 | 8.62 | 85.6 | 91.0 | 100.0 | 103.2  | 107.4   | 109.0 | 113.5 | 123.0 | 130.5         | 144.4                         |      |
| British Columbia | 73.1 | 78.1 | 83.6 | 89.5 | 0.56 | 100.0 | 102.3  | 107.3   | 111.9 | 118.4 | 125.7 | 137.8         | 150.8                         |      |
| Canada           | 75.0 | 78.1 | 9.48 | 88.8 | 95.0 | 100.0 | 104.3  | 108.5   | 113.0 | 118.0 | 123.7 | 136.3         | 147.3                         |      |

Labour. In January 1965, Union wage rate data for basic wage rates reported by major utilities and some contractors were incorporated into the index. The sample selected provides an estimate of wage rate change for each province and represents urban own-account and contract electric utility construction.



TABLE V. Wage Rate Indexes for Transmission Lines Construction, Canada and Nine Provinces, 1956-67(1)

| Pre-<br>  1956   1957   1958   1960   1961   1962   1964   1965   1966   Final   Himi-<br>  1968 |      | 1969                          |
|---|------|-------------------------------|
| Indexes 7 1958 1959 1960 1961 1962 1963 1964 1965 1966  |      | Pre-<br>limi-<br>nary<br>1968 |
| Indexes 7 1958 1959 1960 1961 1962 1963 1964 1965   |      | Final<br>1967                 |
| Indexes 7 1958 1959 1960 1961 1962 1963 1964  |      | 1966                          |
| Indexes 7 1958 1959 1960 1961 1962 1963   |      | 1965                          |
| Indexe 1958 1959 1960 1961 1962   |      | 1964                          |
| 7 1958 1959 1960 1961 1963  | xes  | 1963                          |
| 7 1958 1959 1960  | Inde | 1962                          |
| 7 1958 1959   |      | 1961                          |
| 7 1958  |      | 1960                          |
|   |      | 1959                          |
| 1956 1957   |      | 1958                          |
| 1956  |      | 1957                          |
|   |      | 1956                          |
|   |      |                               |
|   |      |                               |
|   |      |                               |

|         | 128.2        | 142.6       | 140.2         | 179.6  | 140.8   | 136.6    | 141.2        | 144.4   | 156.3            | 153.9  |           | 137.4        | 149.6       | 146.9         | 166.0  | 142.7   | 148.8    | 131.9        | 144.4   | 166.1            | 151.9  |
|---------|--------------|-------------|---------------|--------|---------|----------|--------------|---------|------------------|--------|-----------|--------------|-------------|---------------|--------|---------|----------|--------------|---------|------------------|--------|
|         | 118.9        | 126.4       | 129.4         | 171.0  | 130.0   | 126.8    | 133.3        | 130.4   | 141.1            | 143.0  |           | 125.8        | 133.6       | 135.6         | 157.8  | 132.2   | 136.1    | 124.7        | 130.5   | 152.8            | 141.4  |
|         | 115.5        | 119.3       | 117.4         | 133.9  | 120.2   | 117.3    | 122.7        | 122.6   | 126.9            | 125.1  |           | 121.4        | 125.6       | 126.7         | 136.4  | 122.9   | 120.7    | 118.7        | 123.0   | 130.7            | 127.5  |
|         | 110.7        | 113.6       | 112.2         | 126.8  | 114.5   | 113.9    | 116.8        | 112.6   | 119.4            | 118.4  |           | 117.0        | 120.9       | 120.0         | 127.5  | 115.6   | 116.5    | 113.9        | 113,5   | 117.4            | 119.2  |
|         | 107.4        | 107.4       | 107.4         | 118.7  | 110.4   | 110.9    | 110.9        | 108.2   | 112.3            | 112.5  |           | 115.6        | 115.6       | 115.6         | 118.7  | 109.4   | 110.9    | 110.9        | 109.0   | 111.9            | 113.0  |
|         | 105.5        | 105.5       | 105.5         | 113.6  | 106.7   | 105.1    | 105.1        | 104.1   | 107.4            | 108.2  |           | 110.9        | 110.9       | 110.9         | 113.6  | 106.2   | 105.1    | 105.1        | 107.4   | 107.3            | 108.8  |
|         | 104.3        | 104.3       | 104.3         | 109.7  | 103.4   | 100.0    | 100.0        | 102.4   | 101.8            | 104.5  |           | 106.1        | 106.1       | 106.1         | 109.7  | 102.9   | 100.0    | 100.0        | 103.2   | 102.3            | 104.7  |
|         | 100.0        | 100.0       | 100.0         | 100.0  | 100.0   | 100.0    | 100.0        | 100.0   | 100.0            | 100.0  |           | 100.0        | 100.0       | 100.0         | 100.0  | 100.0   | 100.0    | 100.0        | 100.0   | 100.0            | 100.0  |
|         | 6.96         | 6.96        | 6.96          | 93.7   | 9.46    | 97.4     | 97.4         | 6.5     | 98.2             | 95.4   |           | 96.6         | 9.96        | 96.6          | 93.7   | 94.8    | 97.4     | 97.4         | 91.0    | 95.0             | 9.4.6  |
|         | 9.06         | 90°6        | 90.06         | 86.9   | 85.6    | 94.2     | 94.2         | 91.1    | 95.4             | 89,3   |           | 92.5         | 92.5        | 92.5          | 86.9   | 86.0    | 94.2     | 94.2         | 85.6    | 89.5             | 88.3   |
|         | 87.9         | 87.9        | 87.9          | 81.8   | 83.9    | 88.5     | 88,5         | 86.3    | 87.7             | 85.0   |           | 90.5         | 90.5        | 90.5          | 81.8   | 84.4    | 88.5     | 88.5         | 8.62    | 83.6             | 84.2   |
|         | 76.6         | 76.6        | 76.6          | 75.0   | 81.2    | 80°8     | 80°8         | 82.2    | 78.2             | 78.7   |           | 4, 98        | 86.4        | 86.4          | 75.0   | 78.2    | 80.8     | 80.8         | 73.9    | 78.1             | 78.0   |
|         | 74.2         | 74.2        | 74.2          | 73.9   | 78.2    | 77.6     | 77.6         | 77.4    | 74.2             | 76.0   |           | 81.0         | 81.0        | 81.0          | 73.9   | 74.0    | 77.6     | 77.6         | 71.8    | 73.1             | 74.7   |
| Linemen | Newfoundland | Nova Scotia | New Brunswick | Onepec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Canada | Groundmen | Newfoundland | Nova Scotia | New Brunswick | Onepec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Canada |

<sup>(1)</sup> For the period 1956 to 1964, wage rate indexes were derived for nine major cities from data supplied by the labour Standards Branch of the Department of Labour. In January 1965, union wage rate data for basic wage rates reported by major utilities and some contractors were incorporated in the index. The sample selected provides an estimate of wage rate change for each province and represents urban own-account and contract electric utility construction.



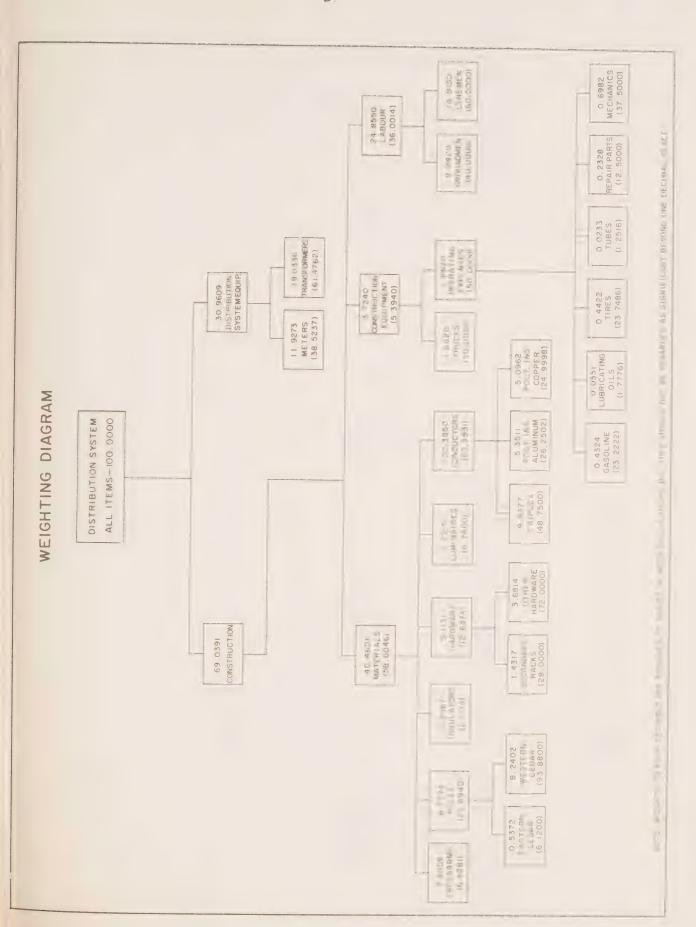
TABLE VI. Wage Rate Indexes for Transformation and Switching Stations Construction(1) Canada and Nine Provinces, 1956-67, (1961-100)

|  |          |      |  |          |           |          | Indexes   | se        |           |          |           |               |                               |      |
|--|----------|------|--|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|---------------|-------------------------------|------|
|  | 1956     | 1957 | 1958   | 1959     | 1960      | 1961     | 1962      | 1963      | 1964      | 1965     | 1966      | Final<br>1967 | Pre-<br>limi-<br>nary<br>1968 | 1969 |
| Common labourer(2)                                 |          |      |  |          |           |          |           |           |           |          |           |               |                               |      |
| Nova Scotta  | 81.0     | 86.4 | 90.5   | 92.5     | 9.96      | 100.0    | 106 1     | 110 9     | 115 6     | 126 7    | 135 1     | 0 371         | ,                             |      |
| New Brunswick                                      | 82.9     | 91.0 | 9.46   | 9.76     | 7.96      | 100.0    | 103.6     | 103.6     | 106.3     | 111.1    | 117.3     | 125.5         | 134.4                         |      |
| Quebec   | 73.9     | 75.0 | 81.8   | 86.9     | 93.7      | 100.0    | 1.601     | 113.6     | 118.7     | 125.5    | 132.3     | 148.3         | 155.7                         |      |
| Ontario  | 8.99     | 72.8 | 78.2   | 85.1     | 93.1      | 100.0    | 105.0     | 108.6     | 114.6     | 119.5    | 125.5     | 138.2         | 152.0                         |      |
| Manitoba   | 67.3     | 74.5 | 80.0   | 89.7     | 95.2      | 100.0    | 100.0     | 100.0     | 100.0     | 104.4    | 108.1     | 116.9         | 126.5                         |      |
| Saskatchewan                                       | 77.6     | 80.8 | 88.5   | 94.2     | 4.76      | 100.0    | 100.0     | 105.1     | 110.9     | 114.1    | 117.8     | 124.1         | 131.7                         |      |
| Alberta  | 71.8     | 73.9 | 8.62   | 85.6     | 91.0      | 100.0    | 103.2     | 107.4     | 0.601     | 113.1    | 123.4     | 129.0         | 137.3                         |      |
| British Columbia                                   | 73.1     | 78.1 | 83.6   | 89.5     | 95.0      | 100.0    | 102.3     | 107.3     | 111.9     | 9.111    | 128.2     | 153.0         | 169.6                         |      |
| Canada   | 71.2     | 75.4 | 81.3   | 87.3     | 93.9      | 100.0    | 105.6     | 109.3     | 114.2     | 119.2    | 126.5     | 140.6         | 151.8                         |      |
|  |          |      |  |          |           |          |           |           |           |          |           |               |                               |      |
| Electrician(2)                                     |          |      |  |          |           |          |           |           |           |          |           |               |                               |      |
| Nova Scotia  | 78.3     | 81.7 | 85.2   | 88.3     | 92.6      | 100.0    | 102.2     | 104.3     | 108.7     | 114.4    | 119.1     | 126.7         | 142.2                         |      |
| New Brunswick                                      | 0.62     | 82.0 | 86.0   | 89.5     | 0.96      | 100.0    | 100.0     | 106.5     | 110.0     | 122.0    | 129.8     | 143.4         | 153.3                         |      |
| Quebec   | 0.08     | 80.0 | 83.2   | 0.06     | 95.2      | 100.0    | 106.0     | 108.8     | 112.0     | 117.4    | 122.1     | 151.4         | 159.0                         |      |
| Ontario  | 71.6     | 75.6 | 79.5   | 85.7     | 93.5      | 100.0    | 102.5     | 105.3     | 108.1     | 112.2    | 116.7     | 127.0         | 137.8                         |      |
| Manitoba   | 73.6     | 4.08 | 85.0   | 91.1     | 8.96      | 100.0    | 101.4     | 103.5     | 106.1     | 111.0    | 115.9     | 128.0         | 139.4                         |      |
| Saskatchewan                                       | 88.0     | 89.3 | 92.7   | 9.96     | 98.7      | 100.0    | 106.8     | 111.1     | 114.5     | 117.7    | 122.2     | 133.6         | 141.7                         |      |
| Alberta  | 77.4     | 82.2 | 86.3   | 91.1     | 94.5      | 100.0    | 102.4     | 104.1     | 108.2     | 112.9    | 122.9     | 130.8         | 141.6                         |      |
| British Columbia                                   | 74.2     | 78.2 | 87.7   | 95.4     | 98.2      | 100.0    | 101.8     | 107.4     | 112.3     | 119.6    | 126.9     | 136.6         | 146.9                         |      |
| Canada   | 0.97     | 78.8 | 83.1   | 89.3     | 95.1      | 100.0    | 103.6     | 106.8     | 110.0     | 115.1    | 120.3     | 136.6         | 146.4                         |      |
| (1) For the period 1956 to 1964, wage rate indexes | rate ind |      | were derived for eight major cities from data supplied by the Labour Standards Branch of the | or eight | major cit | ies from | data supp | lied by t | he Labour | Standard | ls Branch |               | Department                    | jo   |

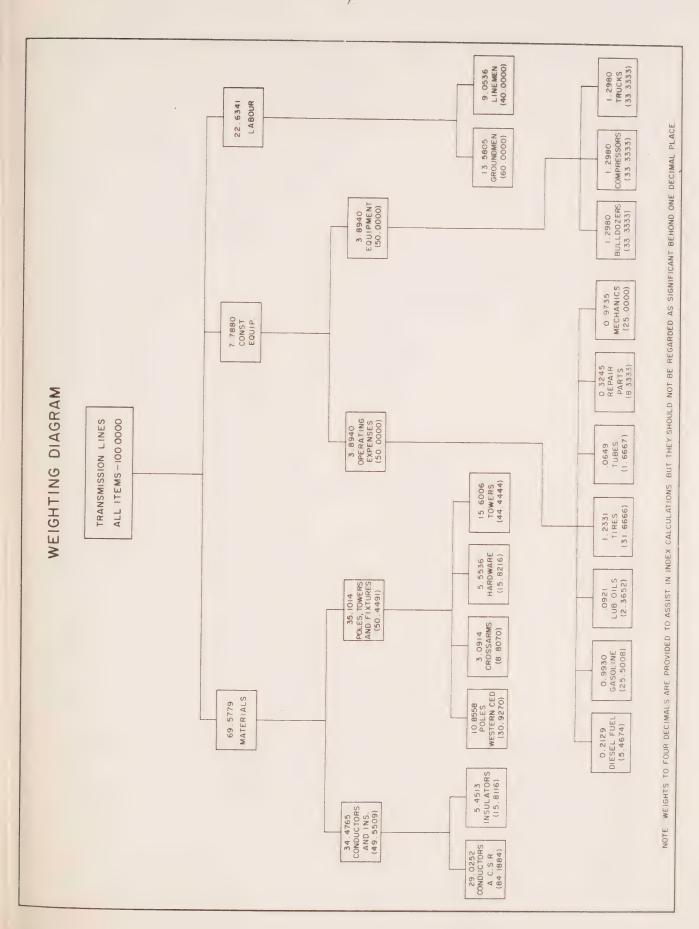
For the period 1956 to 1964, wage rate indexes were derived for eight major cities from data supplied by the Labour Standards Branch of the Department of Labour. In January 1965, union wage rate data for the basic wage rates reported by major utilities and some contractors were incorporated in the index. sample selected provides an estimate of wage rate change for each province - and represents urban own-account and contract electric utility construction. Wage rate data for Newfoundland have been collected and are available on request.

Expenditures for Newfoundland during the base-weight period were small and for this reason wage rates for Newfoundland are not included in the published indexes. Rates have been collected from Newfoundland utilities since 1964 and indexes are available upon request.

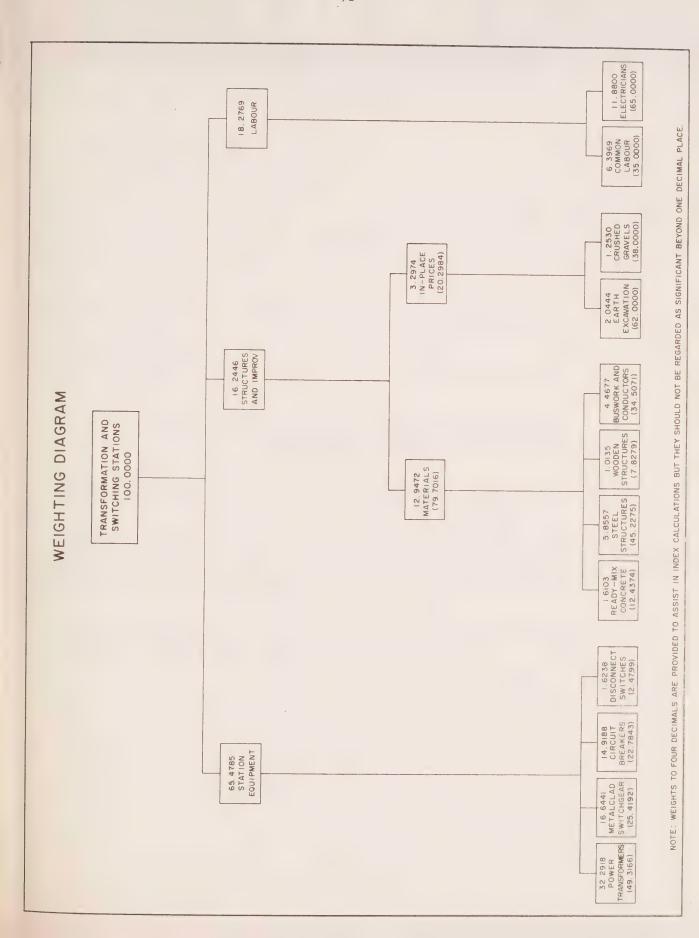














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- 1. Preliminary Electric Energy Statistics, January 1969 .... 1

# 1. Preliminary Electric Energy Statistics, January 1969. Catalogue No. 57-001

Net generation of electric energy increased 7.9 per cent to 17,285,896 thousand kwh. in January 1969 from 16,013,667 thousand kwh. in January 1968.

Imports were up 23.6 per cent while exports increased by 20.7 per cent. Secondary energy consumption continued to decline with a drop of 45.8 per cent in January. As a result of the increase in generation and imports and a decrease in secondary energy, firm energy made available in Canada rose 8.0 per cent over January of last year.

All provinces showed an increase in generation, Ontario, British Columbia, Saskatchewan and Newfoundland showing the largest increases.

5503-521



## Preliminary Electric Energy Statistics

(thousand kwh)

|            | January   |            |
|------------|---|------------|
| 1967       | 1968  | 1969       |
|            |   |            |
| 11,999,953 | 12,070,507 <sup>r</sup>   | 12,411,786 |
| 2,934,635  | 3,943,160 <sup>r</sup>  | 4,874,110  |
| 14,934,588 | 16,013,667 <sup>r</sup>   | 17,285,896 |
| 359,472    | 373,102 <sup>r</sup>  | 461,349    |
|            |   |            |
| 49,224     | 55,636  | 67,627     |
| 352,133    | 297,578   | 358,836    |
| 401,357    | 353,214   | 426,463    |
| 14,892,703 | 16,033,555  | 17,320,782 |
| 424,943    | 249,132 <sup>r</sup>  | 135,084    |
| 14,467,760 | 15,784,423 <sup>r</sup>   | 17,185,698 |
|            | 11,999,953<br>2,934,635<br>14,934,588<br>359,472<br>49,224<br>352,133<br>401,357<br>14,892,703<br>424,943 | 11,999,953 |

## 2. Refined Petroleum Products.

F

Production of refined petroleum products increased 9.0% in December to 38,095,029 barrels from 34,950,952 in the same month last year, according to an advance release of data that will be contained in the December issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 9.5% in December to 37,396,388 barrels from 34,148,052 a year earlier. There was 10.5% more domestic crude at 21,371,902 barrels versus 19,349,668 and, 8.3% more imported crude at 16,024,486 barrels versus 14,798,384. Domestic disappearance of finished petroleum products increased 12.3% to 51,256,801 barrels from 45,623,273 in the same month last year.

Sales of petroleum products in December increased 12.8% from last year. Sales for the year were up 6.6% compared with a 6.9% gain in 1967.

Inventories of all products were 90.4 million barrels at the end of December 1968, an increase of 4.3 million barrels over December 1967 and 3.8 million barrels over December 1966.



IMPORTS Into Canada Of Selected Petroleum Products, December 1968

|                                    | Motor                     | Kerosene                      |                              | Fuel oil                    |  |  |
|------------------------------------|---------------------------|-------------------------------|------------------------------|-----------------------------|--|--|
|                                    | gasoline                  | stove oil                     | Diesel                       | Light                       | Heavy                                      | - Total all<br>products                      |
|                                    |                           | q                             | barrels of 35 C              | Canadian gallons            |  |  |
| Maritimes Quebec Ontario All other | 105,611<br>296,718<br>504 | 255,382<br>343,073<br>155,904 | 488,431<br>436,307<br>100    | 737,525<br>435,420<br>7,813 | 576,362<br>1,418,536<br>427,487<br>469,708 | 2,257,697<br>3,388,556<br>808,710<br>502,723 |
| Canada total                       | 402,833                   | 754,659                       | 924,838                      | 1,180,758                   | 2,892,093                                  | 6,957,686                                    |
|                                    | EXPORTS Of                | Selected Petro                | Selected Petroleum Products, | December 1968               |  |  |
|                                    | Motor                     | Xerosepho                     |                              | Fuel oil                    |  | 1  |
|                                    | gasoline                  | stove oil                     | Diesel                       | Light                       | Heavy                                      | rotal all                                    |
|                                    |                           | psq                           | barrels of 35 Ca             | Canadian gallons            |  |  |
| Maritimes                          | ı                         | ı                             |                              |                             | ,  | 8  |
| Ontario                            | 50                        | 8, 799                        | 4,086                        | 99 075                      | 18,584                                     | 25,159                                       |
| Saskatchewan                       | ,                         |                               | 8                            | 1                           | 2,186                                      | 3,033  |
| British Columbia                   | 47,175                    | 1 1                           | 24,581                       | 10,752                      | 7,081                                      | 7,081  |
| Canada total                       | 47,225                    | 8,799                         | 28,667                       | 109,827                     | 34,086                                     | 338,138                                      |
|                                    |                           |                               |                              |                             |  |  |



NET SALES In Canada Of Selected Petroleum Products, December 1968

|                                  | Motor       | Kerosene   |            | Fuel oil                       |               | 7                     | Total all products | products                |
|----------------------------------|-------------|------------|------------|--------------------------------|---------------|-----------------------|--------------------|-------------------------|
|                                  | gasoline    | stove oil  | Diesel     | Light                          | Heavy         | Total all<br>products | Cumulative<br>1968 | Cumulative<br>1967      |
|                                  |             |            | bar        | barrels of 35 Canadian gallons | nadian gallon | S                     |                    |                         |
| Newfoundland                     | 219,757     | 181,503    | 166,883    | 279,269                        | 400,239       | 1,306,436             | 12,417,601         | 11,152,492              |
| Maritimes                        | 778,791     | 443,067    | 336,182    | 1,260,359                      | 1,592,376     | 4,581,503             | 43,432,625         | 38,636,623              |
| Quebec                           | 3,368,488   | 1,104,545  | 652,077    | 5,436,528                      | 4,795,651     | 16,541,859            | 146,077,869        | 134,757,187             |
| Ontario                          | 4,731,817   | 536,758    | 745,409    | 6,301,496                      | 2,942,905     | 16,626,517            | 151,516,226        | 151,516,226 143,720,249 |
| Manitoba                         | 566,268     | 170,513    | 191,472    | 309,341                        | 139,398       | 1,534,249             | 16,243,569         | 15,759,154              |
| Saskatchewan                     | 712,526     | 216,410    | 177,529    | 264,304                        | 50,949        | 1,491,565             | 18,872,736         | 18,562,375              |
| Alberta                          | 1,264,365   | 99,817     | 455,485    | 143,134                        | 35,795        | 2,276,266             | 26,919,343         | 25,647,272              |
| British Columbia                 | 1,124,479   | 279,595    | 557,621    | 743,185                        | 804,174       | 3,821,021             | 42,760,229         | 41,955,915              |
| North West Territories and Yukon | 15,662      | 8,374      | 14,428     | 27,755                         | ı             | 84,512                | 1,386,210          | 1,125,842               |
| Canada totals                    | 12,782,153  | 3,040,582  | 3,297,086  | 14,765,371                     | 10,761,487    | 48,263,928            | t                  | ı                       |
| Canada cumulative 1968           | 152,595,186 | 19,276,384 | 42,908,169 | 91,773,057                     | 99,684,891    | ı                     | 459,626,408        | ı                       |
| Canada cumulative 1967           | 143,148,324 | 19,001,617 | 40,848,386 | 84,757,849                     | 91,940,101    | ı                     | 1                  | 431,317,109             |
|                                  |             |            |            |                                |               |                       |                    |                         |



Refinery Production In Canada Of Selected Petroleum Products, December 1968

|   | Motor       | Кетозепе   |            | Fuel oil          |                        |            | Total all          | products           |
|---|-------------|------------|------------|-------------------|------------------------|------------|--------------------|--------------------|
|   | gasoline    | stove oil  | Diesel     | Light             | Heavy                  | products   | Cumulative<br>1968 | Cumulative<br>1967 |
|   |             |            | barı       | barrels of 35 Car | of 35 Canadian gallons |            |                    |                    |
| Newfoundland  | (1)         | (1)        | 8          | (1)               | (1)                    | (1)        | (1)                | (1)                |
| Maritimes   | 1,142,845   | 342,651    | (2)        | 823,122           | 1,126,877              | 3,968,135  | 39,666,301         | 39,859,577         |
| One pec   | 3,414,354   | 762,841    | 1,090,882  | 3,048,111         | 3,795,594              | 12,606,011 | 137,886,350        | 123,053,131        |
| Ontario   | 4,188,918   | 304,953    | 825,578    | 2,429,699         | 1,813,805              | 11,244,434 | 120,137,701        | 114,629,169        |
| Manitoba  | 550,561     | 34,902     | 143,476    | 230,090           | 152,956                | 1,390,875  | 15,611,765         | 14,675,261         |
| Saskatchewan  | 981,093     | 159,271    | 211,468    | 266,497           | 204,007                | 1,925,319  | 22,307,295         | 22,904,599         |
| Alberta   | 1,662,895   | 58,798     | 467,802    | 393,203           | 192,799                | 3,430,930  | 38,005,460         | 36,546,000         |
| British Columbia  | 1,291,142   | 107,338    | 908,910    | 240,761           | 530,281                | 3,484,918  | 41,048,051         | 37,760,715         |
| North West Territories and Yukon  | - 595       | 1          | 19,978     | 521               | 5,917                  | 44,407     | 750,664            | 694,914            |
| Canada totals   | 13,231,213  | 1,770,754  | 3,668,094  | 7,432,004         | 7,822,236              | 38,095,029 | •                  | 1                  |
| Canada cumulative 1968  | 148,001,830 | 18,392,881 | 48,341,027 | 66,065,342        | 74,135,304             | 1          | 415,413,587        | ı                  |
| Canada cumulative 1967  | 140,481,112 | 18,546,957 | 44,639,266 | 61,485,745        | 67,539,956             | ı          | ŧ                  | 390,123,366        |
| <ol> <li>Included with Maritimes.</li> <li>Included with Quebec.</li> </ol> | nes.        |            |            |                   |                        |            |                    |                    |



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ENERGY

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March 24, 1969.



Preliminary(1) Report on Coal Production

February 1969

Preliminary coal production for the month of February 1969 amounted to 1,035,148 tons, an increase of 4.8% from the February 1968 preliminary production of 987,538 tons. Landed imports were 129,757 tons compared with 88,814 tons for the some period last year.

6503-521

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.



## Production and Landed Imports of Coal, by Provinces

|  | 1968   |  | 1969   |  |
|--|--|--|--|--|
|  | Production(2)  | Landed imports (1)                                     | Production(2)  | Landed imports(1)  |
|  |  | net tons of  | 2,000 pounds   |  |
| February   |  |  |  |  |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon                                     | 270,072<br>60,887<br>-<br>282,863<br>79,041<br>216,505<br>78,170         | 1,234<br>38,432<br>70<br>14,198<br>34,692<br>-<br>188  | 272,471<br>56,274<br>-<br>-<br>220,749<br>79,902<br>346,306<br>59,446    | 79,221<br>11<br>14,772<br>35,437<br>194<br>122             |
| Canada totals  | 987,538  | 88,814   | 1,035,148  | 129,757  |
| Two months ended February  Newfoundland  Nova Scotia  New Brunswick  Quebec  Ontario  Manitoba  Saskatchewan  Alberta - Bituminous  Sub-bituminous  British Columbia and Yukon | 564,270<br>129,818<br>-<br>-<br>576,167<br>158,411<br>502,245<br>145,029 | 5,874<br>94,497<br>141<br>28,934<br>68,874<br>-<br>259 | 563,309<br>122,587<br>-<br>-<br>482,447<br>156,779<br>723,207<br>135,796 | 3,508<br>168,981<br>257<br>30,764<br>126,773<br>287<br>122 |
| Canada totals  | 2,075,940  | 198,579  | 2,184,125  | 330,692  |

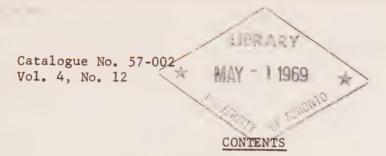
<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.



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April 1, 1969

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- 2. Coal and Coke Statistics, January 1969 ..... 3

## 1. Sales of Natural Gas, January 1969, Catalogue No. 55-002

Total sales of natural gas to Canadian consumers for January 1969 were 105,500,801 Mcf. This was an increase of 15.5% over the same month last year. Revenue from sales was \$73,619,921.

Sales to residential customers accounted for 39.5%, to industrial customers 35.3% and to commercial customers 25.1%.



## Sales of Natural Gas, January 1969

|                  | Custon                                  | mers      |             |            |
|------------------|---|-----------|-------------|------------|
|                  | Space heating                           | Total     | Gas sold    | Revenue    |
| Residential      | No.                                     |           | Mcf.        | \$         |
| New Brunswick    | 100                                     |           |             |            |
| Quebec           | 130                                     | 1,790     | 4,232       | 13,868     |
| Ontario          | 101,218                                 | 203,872   | 1,881,057   | 2,598,730  |
| Manitoba         | 580,759                                 | 709,814   | 17,064,868  | 19,573,700 |
| Saskatchewan     | 104,633                                 | 106,979   | 3,447,766   | 2,769,697  |
| Alberta          | 116,464                                 | 121,275   | 4,078,367   | 2,656,732  |
| British Columbia | 262,709                                 | 264,106   | 10,623,654  | 4,962,888  |
| Canada           | 179,290                                 | 197,211   | 4,624,520   | 7,203,805  |
| valiaua          | 1,345,203                               | 1,605,047 | 41,724,464  | 39,779,420 |
| Industrial       |   |           |             |            |
| New Brunswick    |   | •         | •           | -          |
| QuebecOntario    | • | 2,277     | 2,092,963   | 1,461,573  |
| Manitoba         | ********                                | 8,101     | 15,616,943  | 9,658,037  |
| Saskatchewan     |   | 294       | 957,806     | 317,540    |
| Alberta          |   | 613       | 4,481,702   | 1,183,334  |
| Alberta          |   | 530       | 11,268,017  | 2,015,462  |
| Canada           |   | 231       | 2,882,230   | 1,020,457  |
| Canada           |   | 12,046    | 37,299,661  | 15,656,403 |
| Firm             |   | 11,436    | 35,437,325  | 11,647,890 |
| Interruptible    | • • • • • • • • • • • • • •             | 610       | 1,797,336   | 4,008,513  |
| Commercial       |   |           |             |            |
| New Brunswick    |   | 65        | 3,093       | 6 106      |
| Quebec           |   | 10,370    | 904,840     | 6,186      |
| Ontario          |   | 64,886    | 10,203,190  | 1,028,765  |
| Manitoba         |   | 10,438    | 2,482,031   | 9,082,348  |
| Saskatchewan     |   | 16,792    |             | 1,523,802  |
| Alberta          |   | 30,214    | 2,015,736   | 1,086,559  |
| British Columbia |   | 25,419    | 8,307,769   | 3,088,279  |
| Canada           |   | 158,184   | 2,560,017   | 2,368,159  |
|                  |   | 130,104   | 26,476,676  | 18,184,098 |
| otal sales       |   |           |             |            |
| New Brunswick    |   | 1,855     | 7,325       | 20,054     |
| Quebec           |   | 216,519   | 4,878,860   | 5,089,068  |
| Ontario          |   | 782,801   | 42,885,001  | 38,314,085 |
| Manitoba         |   | 117,711   | 6,887,603   | 4,611,039  |
| Saskatchewan     |   | 138,680   | 10,575,805  | 4,926,625  |
| Alberta          |   | 294,850   | 30,199,440  | 10,066,629 |
| British Columbia |   | 222,861   | 10,066,767  | 10,592,421 |
| Canada           | • | 1,775,277 | 105,500,801 | 73,619,921 |
| otal exports     |   |           | 58,033,790  | 15,009,321 |
| otal imports     |   |           | 2,968,411   | 1,666,822  |



#### 2. Coal and Coke Statistics, January 1969, Catalogue No. 45-002

Coal production for the month of January 1969 amounted to 1,157,234 tons an increase of 5.9% from the January 1968 production of 1,093,272 tons, while landed imports were 225,399 tons compared with 109,765 tons for the month of January 1968. Consumption by industrial consumers amounted to 2,094,535 tons of coal and 521,247 tons of coke, an increase of 302,836 tons of coal and an increase of 44,912 tons of coke from last year.

Industrial consumers' stocks of coal and coke decreased to 5,508,316 tons from 5,634,423 tons in January 1968.

Coke production during the month of January 1969, increased to 457,955 tons from 404,715 tons in January 1968, while coke used in blast furnaces increased to 367,048 tons from 332,458 tons during the same period.

Coal and Coke Statistics, January 1969

|                            |            |                   | Coal                                    |  |  | Co   | oke  |
|----------------------------|------------|-------------------|---|--|--|--|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons   |  |  |  |
| Newfoundland               | -          | 3,508             | -                                       |  | •  | -  | -  |
| Prince Edward Island       | -          | -                 | -                                       |  | to   | 69   | -  |
| Nova Scotia                | 290,256    | 89,760            | 244,783                                 | 73,180                                       | 18,326                                       | 40,828                                       | -  |
| New Brunswick              | 74,468     | 473               | 75,037                                  | 61,038                                       | 50,016                                       |  | -  |
| Quebec                     | •          | 22,615            | -                                       | 123,831                                      | 263,259                                      | 60,368                                       | 121,411                                      |
| Ontario                    | -          | 108,950           | -                                       | 1,369,676                                    | 4,616,872                                    | 393,550                                      | 108,207                                      |
| Manitoba                   | to.        | 93                |   | 62,031                                       | 80,722                                       | 311  | 339  |
| Saskatchewan               | 261,828    | -                 | 261,326                                 | 143,198                                      | 180,073                                      | -  | -  |
| Alberta                    | 454,629    | -                 | 455,070                                 | 252,154                                      | 29,136                                       | 135  | 87   |
| British Columbia and Yukon | 76,053     | -                 | 53,645                                  | 9,427  | 7,858  | 26,055                                       | 32,010                                       |
| Total Canada 1969          | 1,157,234  | 225,399           | 1,089,861                               | 2,094,535                                    | 5,246,262                                    | 521,247                                      | 262,054                                      |
| Total Canada 1968          | 1,093,272  | 109,765           | 1,075,027                               | 1,791,699                                    | 5,402,124                                    | 476,335                                      | 232,299                                      |

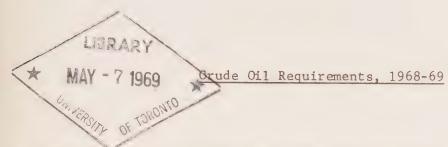


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April 3, 1969



The crude oil requirements by Canadian refineries is estimated to increase to a total of 1.191 million B/D in 1969: an increase of 5.5% over last year.

Canadian crude requirements for refining are expected to increase by 2.0% from 645,000 B/D in 1968 to 658,000 B/D in 1969, while imported crude requirements for refining are expected to rise by 10.1% from 484,000 B/D in 1968 to 533,000 B/D in 1969.

Forecast new needs of crude oil for refining are expected to amount to 62,000 B/D in 1969, with domestic produced crude supplying 21% of these new needs (13,000 B/D) and imports 79% (49,000 B/D).

Crude oil exports for the second quarter of 1969 are estimated to average 570,000 B/D, an increase of 154,000 over the same period in 1968.



## Crude Oil Requirements 1968 and 1969

# Summary of Crude Oil Requirements and New Needs (thousand barrels daily)

|          | 1968     |      |          | 19   | 69     |     |
|----------|----------|------|----------|------|--------|-----|
|          | Requirem | ents | Requirem | ents | New ne | eds |
|          | Volume   | %    | Volume   | %    | Volume | %   |
|          |          |      |          |      |        |     |
| Domestic | 645      | 57   | 658      | 55   | 13     | 21  |
| Imports  | 484      | 43   | 533      | 45   | 49     | 79  |
| Totals   | 1,129    | 100  | 1,191    | 100  | 62     | 100 |



3. Canadian Crude Oil Requirements

Anticipated and Actual Refinery Receipts of Crude Oil, Condensate and Pentanes Plus

|   | Ac<br>Jan, | Actual<br>• - Dec. |         | Actual<br>1968 |             |  | Estimated<br>1969 | nated   |         |
|---|------------|--------------------|---------|----------------|-------------|--|-------------------|---------|---------|
|   | 1967       | 1968               | Apr.    | May            | June        | Apr.   | May               | June    | Jan.    |
|   |            |                    |         | 000,           | barrels per | day  |                   |         | nec.    |
| By source   |            |                    |         |                |             |  |                   |         |         |
| Domestic  |            |                    |         |                |             |  |                   |         |         |
| Western   | 611.4      | 642.0              | 642.1   | 632.0          | 640.1       | 597.3  | 611.8             | 651.5   | 654.7   |
| Eastern   | 3.4        | 3.3                | 3.4     | 2.8            | 2.9         | 2.8  | 2.7               | 2.7     | 3.0     |
| Totals  | 614.8      | 645.3              | 645.5   | 634.8          | 643.0       | 1.009  | 614.5             | 654.2   | 657.7   |
| Imported  | 8.977      | 7.484              | 498.9   | 426.5          | 439.2       | 509.4  | 451.9             | 534.4   | 532.8   |
| Total requirements  | 1,061.6    | 1,129.7            | 1,144.4 | 1,061.3        | 1,082.2     | 1,109.5  | 1,066.4           | 1,188.6 | 1,190.5 |
| By location   |            |                    |         |                |             |  |                   |         |         |
| AtlanticQuebec  | 110.0      | 108.9              | 86.9    | 81.1           | 148.6       | 141.0  | 126.2             | 126.4   | 127.3   |
| Ontario   | 311.1      | 328.9              | 362.0   | 321.5          | 325.3       | 332.1  | 300.7             | 326.8   | 345.2   |
| Saskatchewan  | 63.0       | 60.7               | 48.6    | 68.2           | 66.2        | 36.5   | 58.4              | 75.3    | 62.8    |
| Arberta   | 102.2      | 100./              | 106.0   | 101.7          | 108.4       | 83.2   | 103.7             | 105.2   | 104.5   |
| North West Territories  | 6.1        | 2.0                | 2.1     | 1.5            | 2.4         | 3.3  | 3.5               | 3.5     | 1.9     |
| Total requirements  | 1,061.6    | 1,129.7            | 1,144.4 | 1,061.3        | 1,082.2     | 1,109.5  | 1,066.4           | 1,188.6 | 1,190.5 |
| Export requirements(1)  | 412.5      | 443.7              | 8.604   | 400.8          | 436.5       | 554.3  | 565.4             | 290.0   | :       |
| (1) Reported by the pipeline companies Figures not available. | anies.     |                    |         |                |             | And the property of the proper |                   |         |         |



For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613

\$5.00 A YEAR

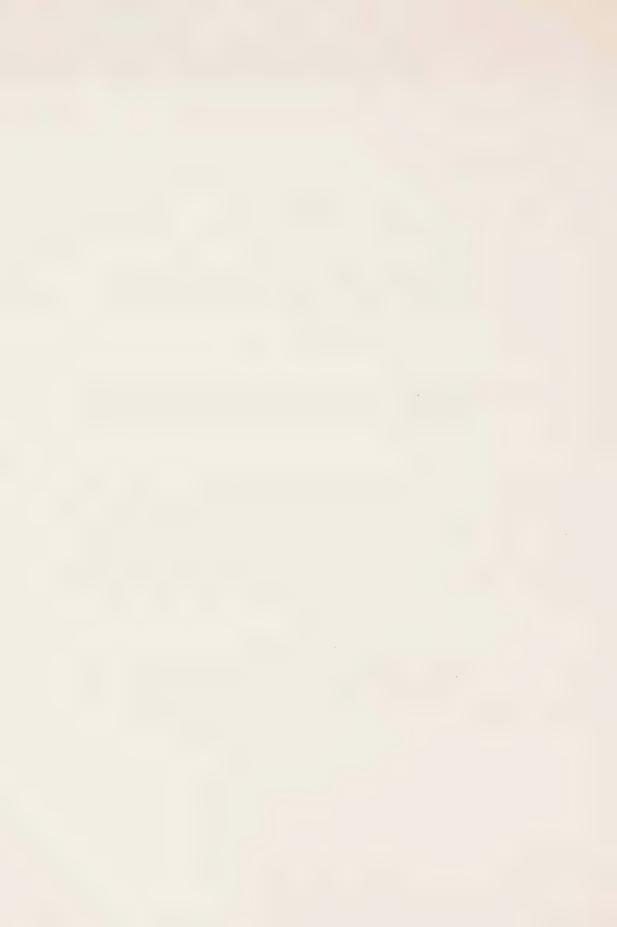
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|   | Oil Pipe Line Transport, Natural Gas Pipe Line Transport   |      |
|   | and Distribution Companies Preliminary Financial Statistics, Twelve months ending December 31, 1967-68 | . 1  |
| 2 | Gas Utilities 1966, Catalogue No. 57-205   | 4    |
|   | 1 Oil Dinaline Manner and No. 1 C. Di. 1.  |      |

1. Oil Pipeline Transport, Natural Gas Pipeline Transport and Distribution Companies Preliminary Financial Statistics

Twelve Months ending December 31, 1967-68

For the twelve month period ending December 31, 1968, net income for oil pipeline companies was \$56.1 million compared to the \$57.8 million reported for the same period in 1967. Net income of gas pipeline transport companies increased to \$33.2 million, 2.8 per cent more than the \$32.3 million in the previous year. Net income of privately operated natural gas distribution companies, which account for approximately 80 per cent of all distributors' revenues, was \$42.9 million, up 1.2 per cent from \$42.4 million.

Fixed assets as at December 31, 1968, totalled \$832.6 million for oil pipeline companies (up 8.9 per cent from \$764.5 million), \$1,407.4 million for gas pipeline companies (up 10.2 per cent from \$1,277.0 million), and \$1,209.0 million for gas distribution companies (up 11.7 per cent from \$1,081.8 million).



Preliminary Operating Revenue and Expense Account for Twelve Months Ending December 31, 1967-68

|   | 0il pipeli<br>transport | 0il pipeline<br>transport | Natural ga<br>pipeline<br>transport | l gas<br>ine<br>port | Natural<br>distribut<br>(privately of | Natural gas<br>distribution<br>(privately operated) |
|---|-------------------------|---------------------------|-------------------------------------|----------------------|---------------------------------------|---|
|   | 1967                    | 1968                      | 1967                                | 1968                 | 1967                                  | 1968  |
|   |                         |                           | millions                            | of dollars           |                                       |   |
| Total operating revenues                          | 169.5                   | 177.4                     | 289.8                               | 324.9                | 386.2                                 | 400°,7  |
| Total operating expenses                          | 41.8                    | 45.2                      | 184.5                               | 216.0                | 269.3                                 | 281.9   |
| Net revenue from operations                       | 127.7                   | 132.2                     | 105.3                               | 108.9                | 116.9                                 | 118,8   |
| Other income and income from affiliated companies | 20.5                    | 18.3                      | 1.7                                 | 2.6                  | 5.8                                   | 8.2   |
| Other deductions and fixed charges                |                         |                           |                                     |                      |                                       |   |
| Depreciation                                      | 24.9                    | 26.6                      | 29.8                                | 31.6                 | 24.3                                  | 27.4  |
| Interest on long term debt                        | 17.2                    | 19.1                      | 40.6                                | 44.8                 | 30.0                                  | 32.1  |
| Other   | 1.8                     | 1.6                       | 4.2                                 | 1.8                  | 3.8                                   | 7.2   |
| Totals  | 43.9                    | 47.3                      | 74.6                                | 78.2                 | 58.1                                  | 66.7  |
| Net income before taxes                           | 104.3                   | 103.2                     | 32.4                                | 33.3                 | 9.49                                  | 60°3  |
| Provision for income taxes                        | 46.5                    | 47.1                      | 0.1                                 | 0.1                  | 22.2                                  | 17.4  |
| Net income after taxes                            | 57.8                    | 56.1                      | 32.3                                | 33, 2                | 42.4                                  | 42.9  |



Assets, Liabilities and Net Worth as at December 31, 1967-68

|   | 0il pi<br>trans | peline<br>port | pipe             | ral gas<br>eline<br>asport | distr<br>(pri  | ral gas<br>ribution<br>vately<br>rated) |
|---|-----------------|----------------|------------------|----------------------------|----------------|---|
|   | 1967            | 1968           | 1967             | 1968                       | 1967           | 1968                                    |
|   |                 |                | millions         | of dollars                 | 3              | ,                                       |
| Assets  |                 | 1              | 1                | 1                          | 1              | ,                                       |
|   |                 |                |                  |                            |                |   |
| Current assets  |                 |                |                  |                            |                |   |
| Cash  | 21.4            | 18.4           | 11.1             | 10.7                       | 3.8            | 2.7                                     |
| doubtful accounts                                       | 24.9            | 24.1           | 32.0             | 36.9                       | 74.0           | 135.9                                   |
| Other current assets                                    | 3.5             | 4.2<br>1.7     | 5.9              | 7.4                        | 32.8           | 32.9                                    |
| . Totals  | 51.2            | 48.4           | 2.5              | 10.6                       | 11.0           | 10.4                                    |
| Investments   | 60.1            | 57.4           | 63.4             |                            |                |   |
|   |                 | 37.4           | 03.4             | 74.4                       | 174.9          | 185.4                                   |
| Fixed assets Less depreciation and amortization         | 764.5<br>237.8  | 832.6          | 1,277.0          | 1,407.4                    | 1,081.8        | 1,209.0                                 |
| Net fixed assets  | 526.7           | 260.6<br>572.0 | 193.7<br>1,083.3 | 224.6<br>1,182.8           | 179.1<br>902.7 | 209.2<br><b>999.</b> 8                  |
| Deferred debits   | 4.0             | 2 0            |                  | , -                        |                |   |
|   | 4.0             | 3.8            | 20.9             | 23.1                       | 26.3           | 25.2                                    |
| Total assets  | 642.0           | 681.6          | 1,219.1          | 1,345.9                    | 1,225.5        | 1,392.3                                 |
| Liabilities and Net Worth                               |                 |                |                  |                            |                |   |
| Current liabilities                                     |                 |                |                  |                            |                |   |
| Short term loans  | 14.6            | 18.9           | 62.2             | 31.1                       | 53.3           | 128.0                                   |
| Accounts payableLong term debt due within one year less | 36.2            | 32.1           | 62.4             | 53.5                       | 78.1           | 96.4                                    |
| long term debt owned                                    | 19.3            | 36.4           | 32.9             | 33.1                       | 18.5           | 13.0                                    |
| Other current liabilities                               | 1.4             | 1.2            | 0.1              | 0.1                        | 5.5            | 5.8                                     |
| Totals  | 71.5            | 88.6           | 157.6            | 117.8                      | 155.4          | 243.2                                   |
| Long term debt  | 313.5           | 302.2          | 711.1            | 800.5                      | 526.5          | 586.6                                   |
| Deferred credits  | 52.0            | 57.0           | 5.9              | 5.5                        | 27.3           | 33.4                                    |
| Capital stock and surplus                               |                 |                |                  |                            |                |   |
| Preferred   | 11.1            | 11.0           | 77.8             | 148.0                      | 134.3          | 134.7                                   |
| Common  | 73.8            | 74.8           | 96.9             | 97.6                       | 195.7          | 194.3                                   |
| Contributed surplus                                     | 22.9<br>97.2    | 24.7<br>123.3  | 90.6             | 91.9                       | 39.6           | 32.9                                    |
| Totals  |                 |                | 79.2             | 84.6                       | 146.7          | 167.2                                   |
| Total liabilities and net worth                         | 205.0           | 233.8          | 344.5            | 422.1                      | 516.3          | 529.1                                   |
| (1) Includes oil and gas inventories and gas            |                 | 681.6          | 1,219.1          | 1,345.9                    | 1,225.5        | 1,392.3                                 |

<sup>(1)</sup> Includes oil and gas inventories and gas stored under ground.



## 2. Gas Utilities 1966, Catalogue No. 57-205

Final statistics for the year 1966 show that the gas utilities industries expanded both physically and financially. During 1966 there were net additions of \$168 million to new plant and equipment, bringing total cost of plant and property at the end of the year to \$2,483 million. Net revenue from operations, at \$239 million, was up 18.3% from the previous year's \$202 million and net income after taxes and other nonoperating expenses increased to \$82 million from \$74 million. Privately operated gas distribution companies accounted for about 82% of the gas distributors revenues.



| 1966       |
|------------|
| Utilities, |
| of Gas     |
| Sheet      |
| Balance    |

|  |                      | Natural gas                             | s distributi                 | distribution systems               |   |   |   | Manufactured                                | tured                 |                                   |
|--|----------------------|---|------------------------------|------------------------------------|---|---|---|---|-----------------------|-----------------------------------|
|  | Eastern              | n Canada                                | Westerr                      | Western Canada                     |   | Natural<br>gas<br>transport             | Total<br>natural<br>gas                   | and liquefied<br>petroleum gases<br>systems | n gases               | Total                             |
|  | Publicly<br>operated | Privately operated                      | Publicly<br>operated         | Privately<br>operated              | Total   | systems                                 | utilities                                 | Publicly<br>operated                        | Privately<br>operated |                                   |
|  |                      |   |                              |                                    | millions of dollars                             | E dollars                               |   |   |                       |                                   |
| Assets   |                      |   |                              |                                    |   |   |   |   |                       |                                   |
| Current assets Cash and temporary investments  | 1.0                  | 5.5                                     | 10.8                         | 2,3                                | 19.6  | 9,0                                     | 29,1                                      | ŧ   | ,                     | 29.1                              |
| Accounts receivable  | 0.4                  | 54.2                                    | 2.9                          | 14.1                               | 71.6  | 32.3                                    | 103.9                                     | 1 1 6                                       | 0.1                   | 3.5                               |
| Gas-underground storage and line pack<br>Other current assets  | 0.1                  | 17.1 6.1                                | 0.6                          | 1.7                                | 17.7  | 1.2                                     | 18.9                                      |   | 4 4 1                 | 13.2                              |
| Investments Investments in affiliated companies Other investments Plant, property and equipment Less: accumulated depreciation | 1.2                  | 125.7<br>16.1<br>713.5<br>102.8<br>20.4 | 30.6<br>279.4<br>46.8<br>2.9 | 5.5<br>2.3<br>296.6<br>65.5<br>6.2 | 131, 2<br>49, 0<br>1, 296, 0<br>216, 3<br>29, 5 | 56.8<br>3.8<br>1,178.1<br>169.4<br>19.6 | 188.0<br>52.8<br>2,474.1<br>385.7<br>49.1 |   | 1.2                   | 188.0<br>52.8<br>2,483.5<br>389.5 |
| Total assets   | 6.8                  | 862.1                                   | 281.7                        | 265,1                              | 1,415.7   | 1,139.6                                 | 2,555.3                                   | 4.5   | 1.3                   | 2,561.1                           |
| Liabilities and net worth  |                      |   |                              |                                    |   |   |   |   |                       |                                   |
| Current liabilities Short term loans Accounts payable - Trade  | - 0                  | 19.7                                    | - 4                          | 12.6                               | 32,3  | 19.3                                    | 51.6                                      | 8 0   | ŧ                     | 51.6                              |
| Accrued taxes  |                      | 19.3                                    | 2.9                          | 2 6                                | 22.2  | 1.5                                     | 23.7                                      | 1.0   | 1 1 1                 | 65.3<br>23.7<br>28.1              |
| Long term debt - Current year Other current liabilities Deferred credits   | 1 1 1                | 10.2                                    | 9.2                          | 3.0                                | 21.3  | 0.2<br>32.6<br>1.3<br>6.9               | 15.2<br>53.9<br>9.0                       | 1 1 1 1                                     | 0.1                   | 15.2<br>54.0<br>9.0               |
| Accumulated tax reductions Applicable to future years Insurance and other reserves Long term debt                              | <br>. 9.<br>. 9.     | 15.5                                    | 141.8                        | 2,6<br>3,5<br>105.0                | 18.1  | 0 709                                   | 18,1                                      | 1 1   | 1 1                   | 18,1                              |
| Advances from affillated companies Interest of minority shareholders in subsidiaries   | 1 1                  | 24.7                                    | 93.5                         | 00                                 | 128.0   | 13.5                                    | 141.5                                     | 2.3   | 4 ,                   | 1,322.9                           |
| Capital stock and surplus Preferred  | ,                    | 73.3                                    | ,                            | 20 3                               | 100 6   |   | 000                                       | 1   | 1                     | ı                                 |
| Contributed surplus  | ( 1                  | 146.2                                   | 0                            | 32.7                               | 178.9   | 96.9                                    | 275.8                                     | * *   | 9.0                   | 180.9<br>275.8                    |
| Retained earnings Excess of appraised value of fixed   | 2.5                  | 89.3                                    | 27.1                         | 43.0                               | 161.9   | 90.2                                    | 227.3                                     | (2.9)                                       | 0.2                   | 106.3<br>224.4                    |
| assets over (depreciated) cost   | 1                    | 28.3                                    | 1                            | ,                                  | 28.3  | ı                                       | 28.3                                      | ,   | 1                     | 28.3                              |
| Total liabilities and net worth  | 6.8                  | 862.1                                   | 281.7                        | 265.1                              | 1,415.7   | 1,139.6                                 | 2,555.3                                   | 4.5   | 1.3                   | 2,561.1                           |



| 1966         |
|--------------|
| 19           |
| Utilities, 1 |
| Gas          |
| οĘ           |
| Statement    |
| Income       |

|  |                      | Natural gas           |                           | distribution systems  |                             |                             |                                 | Manufa               | Manufactured       |                              |
|--|----------------------|-----------------------|---------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------------|----------------------|--------------------|------------------------------|
|  | Eastern              | Camada                | Western                   | ı Canada              | E                           | Natural<br>gas<br>transport | Total<br>natural<br>gas         | and<br>L.P.G. Sy     | systems            | Total<br>utilities           |
|  | Publicly<br>operated | Privately<br>operated | Publicly<br>operated      | Privately<br>operated | 10 ca1                      | systems                     | utilities                       | Publicly<br>operated | Privately operated |                              |
|  |                      |                       |                           |                       | millions of                 | dollars(1)                  |                                 |                      |                    |                              |
| Operating revenue  | 3.5                  | 256.8                 | 68.1                      | 92.9                  | 421.3                       | 275.6                       | 538.8(2)                        | 1.4                  | 0.8                | 541.0                        |
| Operating expenses Gas Supply Transmission operation Distribution operation Other operations   | 2.0                  | 124.6                 | 26.0<br>1.4<br>5.1<br>3.2 | 35.3<br>0.6<br>4.3    | 187.9<br>2.0<br>23.3<br>5.1 | 138.0                       | 167.8(2)<br>17.6<br>23.3<br>7.3 | 0.1                  | 0.3                | 168.2<br>17.6<br>23.7<br>7.3 |
| Administrative Maintenance Municipal and other taxes Other   | 0.2                  | 26.6<br>5.6<br>6.5    | 2.9                       | 8.7<br>2.5.0<br>1.7   | 38.4<br>8.2<br>12.4<br>4.3  | 7.0                         | 45.4<br>12.8<br>18.4<br>7.1     | 0.1                  | 0.2                | 45.9<br>12.9<br>18.5<br>7.8  |
| Total operating expenses   | 2.5                  | 179.4                 | 39.7                      | 0.09                  | 281.6                       | 176.2                       | 299.7                           | 1.5                  | 0.7                | 301.9                        |
| Net revenue from operations  | 1.0                  | 77.4                  | 28.4                      | 32.9                  | 139.7                       | 7.66                        | 239.1                           | (0.1)                | 0.1                | 239.1                        |
| Other income Investment income Income from affiliated companies Sinking and other fund income Other                                  | 1 1 1 1              | 1.5                   | 0.5                       | 0.3                   | 1.8                         | 1.9<br>0.2<br>0.2<br>0.1    | 3.7<br>1.6<br>0.2<br>3.0        | 1 ( 1 (              | 1 1 1 1            | 3,7<br>0.2<br>3.0            |
| Other deductions Depreciation Amortization Other   | 0.1                  | 15.7                  | 9 1 1                     | 0.00                  | 29.3                        | 28.6                        | 57.9                            | 0.1                  | 0.1                | 58.0<br>1.7<br>1.2           |
| Fixed charges Interest on long term debt Interest on amounts due affiliates Other  | 0.2                  | 20.6                  | 10.6                      | 6.2<br>0.3<br>0.2     | 37.6<br>1.2<br>0.7          | 42.6<br>0.1<br>1.5          | 80.2<br>1.3<br>2.2              | 0.1                  | 0 -1               | 80.3                         |
| Net income before income taxes   | 9.0                  | 41.4                  | 11.7                      | 19.8                  | 73.5                        | 29.8                        | 103.3                           | (0.4)                | (0.1)              | 102.8                        |
| Prevision for income taxes   | 1                    | 13.7                  | ı                         | 7.1                   | 20.8                        | 0.1                         | 20.9                            | ı                    | r                  | 20.9                         |
| Net income after taxes   | 0.6                  | 27.7                  | 11.7                      | 12.7                  | 52.7                        | 29.7                        | 82.4                            | (0.4)                | (0.1)              | 81.9                         |
| <ol> <li>Minor addition differences due to rounding to millions of dollars.</li> <li>Intercompany transactions elminated.</li> </ol> | ding to mil          | lions of dol          | lars.                     |                       |                             |                             |                                 |                      |                    |                              |



#### Property Account of Gas Utilities, 1965-66

|  | T   | T Gas                                    |                                      |                              |   |  |   |
|--|---|--|--------------------------------------|------------------------------|---|--|---|
|  | Total<br>as at<br>December<br>31, 1965      | Additions<br>1966                        | Retire-<br>ments<br>1966             | Other<br>changes<br>1966     | Balance<br>December<br>31, 1966             | Eastern<br>Canada                      | Western<br>Canada                         |
|  |   |  | mill                                 | ions of doll                 | ars   |  |   |
|  |   | 1  | 1                                    | 1                            |   |  |   |
| Natural gas distribution systems   |   |  |                                      |                              |   |  |   |
| Intangible plant Production plant Gathering plant Products extraction plant Manufactured gas plant Underground storage plant | 14.7<br>59.8<br>25.1<br>1.3<br>18.2<br>18.2 | 0. 2<br>1. 0<br>2. 1<br><br>0. 1<br>1. 9 | 0.1                                  | (0.5)                        | 14.9<br>60.8<br>27.1<br>1.3<br>16.6<br>19.7 | 0.9<br>4.7<br>3.0<br>-<br>16.2<br>12.6 | 14.0<br>56.1<br>24.1<br>1.3<br>0.4<br>7.1 |
| Transmission plant Distribution plant Local storage plant General plant Undistributed plant                                  | 206.3<br>731.7<br>12.4<br>90.2              | 10.4<br>52.7<br>0.2<br>17.8              | 0.2<br>3.5<br>0.5<br>4.1             | (0.1)<br>(0.1)<br>-<br>(0.2) | 216.4<br>780.8<br>12.1<br>103.7             | 65. 5<br>503. 8<br>9. 7<br>69. 4       | 150.9<br>277.0<br>2.4<br>34.3             |
| ondiscribated plant  | 26.2  | 22.4                                     | 0.2                                  | (5.8)                        | 42.6  | 34.2                                   | 8.4                                       |
| Totals   | 1,204.1                                     | 108.8                                    | 10.2                                 | (6.7)                        | 1,296.0                                     | 720.0                                  | 576.0                                     |
| Natural gas transport systems  |   |  |                                      |                              |   |  |   |
| Intangible plant Gathering plant Products extraction plant Underground storage plant Transmission plant                      | 13.3<br>22.8<br>25.9<br>14.6<br>907.6       | 0.9                                      |                                      | 0.8<br>8.4<br>-<br>71.8      | 13.3<br>23.6<br>34.3<br>15.5                |  |   |
| General plant  | 11.7<br>122.0                               | 1.4                                      | 0.7                                  | 0.8<br>(79.2)                | 1,002.7<br>13.2<br>75.5                     |  |   |
| Totals   | 1,117.9                                     | 59.1                                     | 1.5                                  | 2.6                          | 1,178.1                                     |  |   |
| Total natural gas utilities  |   |  |                                      |                              |   |  |   |
| Intangible plant Production plant Gathering plant Products extraction plant  | 28.0<br>59.8<br>47.9<br>27.2                | 0.2<br>1.0<br>2.1                        | 0.1                                  | 0.8                          | 28. 2<br>60. 8<br>50. 7<br>35. 6            |  |   |
| Manufactured gas plant Underground storage plant Transmission plant Distribution plant Local storage plant                   | 18.2<br>32.8<br>1,113.9<br>731.7<br>12.4    | 0.1<br>2.8<br>34.5<br>52.7<br>0.2        | 1. 2<br>0. 4<br>1. 0<br>3. 5<br>0. 5 | (0.5)<br>-<br>71.7<br>(0.1)  | 16.6<br>35.2<br>1,219.1<br>780.8            |  |   |
| General plant Undistributed plant  | 101.9                                       | 19.2                                     | 4.8                                  | 0.6 (85.0)                   | 12.1<br>116.9<br>118.1                      |  |   |
| Totals   | 2,322.0                                     | 167.9                                    | 11.7                                 | (4.1)                        | 2,474.1                                     |  |   |
| anufactured and liquefied petroleum  gases systems   |   |  |                                      |                              |   |  |   |
| Intangible plant Manufactured gas plant Distribution plant Local storage plant General plant Undistributed plant             | 0.7<br>1.0<br>8.3<br>0.3                    | 0.1                                      | 0.1                                  | -                            | 0.6<br>1.0<br>7.0<br>0.3<br>0.5             |  |   |
| -  |   |  |                                      |                              | -   |  |   |
| Totals  Total all utilities  | 2,334.2                                     | 168.0                                    | 2.9                                  | (4.1)                        | 2,483.5                                     |  |   |
|  |   |  |                                      |                              |   |  |   |



## Funds Flow Statement of the Natural Cas Utilities for Year Ending December 31, 1966

|  | Distribution systems  | Transport<br>systems   | Total  |
|--|---|--|--|
|  | mi1   | lions of dolla   | rs   |
| Application of funds   |   |  |  |
| Operating and other expenses   |   |  |  |
| Cost of gas sold(1) Operating expenses Interest on long term debt Income taxes Dividends Increased investments in affiliated companies Acquisition of fixed assets Increased deferred debits Increased investments Other Decreased deferred credits Decreased long term debt Decreased contributed surplus  Totals | 187.9<br>93.6<br>38.8<br>20.8<br>25.5<br>33.6<br>85.8<br>3.0<br>7.3<br>14.9<br>-<br>0.3 | 137.9<br>38.2<br>42.7<br>0.1<br>16.0<br>20.2<br>59.2<br>-<br>0.1<br>-<br>1.6<br>57.4<br>-<br>373.4 | 167.8(1) 131.8 81.5 20.9 41.5 53.8 145.0 3.0 7.4 14.9 1.6 57.4 0.3 |
| Source of funds  |   |  |  |
| Revenues   |   |  |  |
| Sales(1)   | 406.9<br>14.3<br>6.1<br>32.5  | 271.0<br>4.6<br>2.4  | 519.9(1)<br>18.9<br>8.5<br>32.5                                    |
| companies  | 3.2<br>6.8<br>26.0<br>-<br>2.6<br>13.1  | 13.1<br>50.0<br>0.9<br>11.7<br>4.1<br>15.6   | 16.3<br>56.8<br>26.9<br>11.7<br>6.7<br>28.7                        |
| Totals   | 511.5   | 373.4  | 726.9  |
| (1) Intercompany transactions eliminated.  |   |  |  |



For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4 No. 15

April 16, 1969

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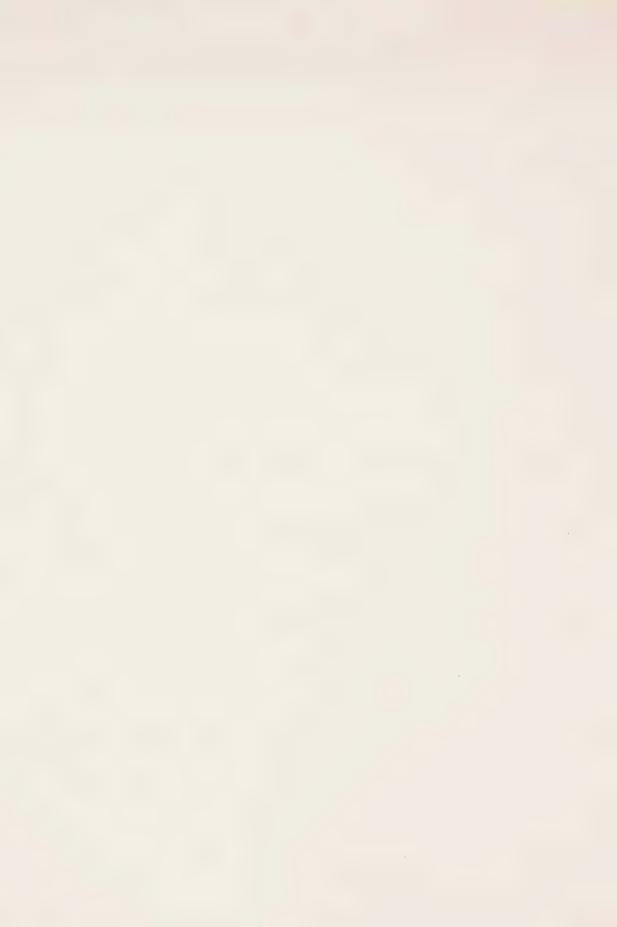
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#### 1. Oil Pipe Line Transport, September 1968, Cat. No. 55-001.

Oil movements by Canadian oil pipe lines increased by 6.9% in September 1968 with receipts of 50,732,681 barrels compared with 47,475,131 in the preceding year; import receipts increased to 9,601,992 barrels from 9,533,455.

Total traffic amounted to 24,419 million barrel miles with an average length of haul of 472.6 miles.





Oil Pipe Line Transport, September 1968

| Supply<br>and<br>Disposition | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>September<br>1968 | Total<br>September<br>1967 | % of<br>increase<br>or<br>decrease<br>over 1967 |
|------------------------------|--------------------------------|--|----------------------------|----------------------------|---|
|                              |                                | barrels                                  | 35 Canadian                | gallons                    |   |
| Net receipts                 |                                |  |                            |                            |   |
| Domestic Imports             | 34,329,367<br>9,550,631        | 6,801,322<br>51,361                      | 41,130,689<br>9,601,992    | 37,941,676<br>9,533,455    | 8.4<br>0.7                                      |
| Total net receipts           | 43,879,998                     | 6,852,683                                | 50,732,681                 | 47,475,131                 | 6.9   |
| Net deliveries               |                                |  |                            |                            |   |
| Domestic Exports             | 28,424,224<br>16,668,649       | 6,245,835<br>319,032                     | 34,670,059<br>16,987,681   | 33,141,640<br>14,459,860   | 4.6<br>17.5                                     |
| Total net deliveries         | 45,092,873                     | 6,564,867                                | 51,657,740                 | 47,601,500                 | 8.5   |
| Inventory change             | - 1,215,748                    | 270,233                                  | - 945,515                  | - 198,750                  | -   |

#### 2. Refined Petroleum Products Year 1968

Production of refined petroleum products amounted to 415,413,587 barrels in the year 1968. This represents an increase of 6.5% over 1967 during which the production was 390,123,366.

The net sales of refined petroleum products show a 6.6% increase during the same year as compared to 1967. 1968 sales were 459,626,408 barrels compared to 431,317,109 barrels in 1967.

The data for the year 1968 are preliminary.

Detailed data will be contained in the annual issue of the DBS publication No. 45-204 "Refined Petroleum Products".



REFINERY PRODUCTION In Canada Of Selected Petroleum Products, Year 1968P

|   | Motor       | Kerosene   |             | Fuel oil               |             | 0<br>1      | Total all        |
|---|-------------|------------|-------------|------------------------|-------------|-------------|------------------|
|   | gasoline    | stove oil  | Diesel      | Light                  | Heavy       | products    | products<br>1967 |
|   |             |            | Barrels     | of 35 Canadian gallons | gallons     |             |                  |
| NewLoundland                              | (1)         | (1)        | 1           | (1)                    | (1)         | (1)         | (1)              |
| Maritime                                  | 11,286,591  | 2,244,502  | (2)         | 8,906,859              | 9,951,787   | 39,666,301  | 39,859,577       |
| ۳۶ که | 40,378,161  | 7,434,650  | 13,979,280  | 740,167                | 33,493,417  | 137,886,350 | 123,053,131      |
| Ontaile                                   | 45,691,240  | 4,012,807  | 9,633,905   | 22,121,486             | 20,809,191  | :20,137,701 | 114,629,169      |
| Manitoba                                  | 6,756,482   | 782,222    | 2, 370, 9.3 | 1,423,894              | 1, 200, 927 | 15,611,765  | 14,67,261        |
| o iska turiwan                            | 10,393,669  | 1,468,164  | 3,630,944   | 2,305,249              | 1,601,581   | 22, 307, 93 | 22,904,599       |
| Alberta                                   | 18,139,888  | 3.6,558    | 7,904,718   | 2,061,695              | 1,949,345   | 38,005,460  | 36,546,000       |
| britist. Columbia                         | 15,309,458  | 2,093,977  | 10,679,479  | 1,412,484              | 4,932,60    | -1,078,051  | 37,760,715       |
| Soft West designation and Yukon           | 26,343      | 1          | 171,744     | 93,508                 | 146,421     | 750,664     | 694,914          |
|   | 148,001,830 | 18,392,881 | 48,341,027  | 66,065,342             | 14,135,304  | 415,413,587 |                  |
|   | 140,481,112 | 18,546,957 | 44,639,266  | 61,485,745             | 67,539,956  | 1           | 390,123,366      |
| (1) Included with Maritimes               | 804         |            |             |                        | T           | -           |                  |

(1) included with Maritime (2) Included with Quebec.

P Preliminary figures.



NET SALES In Canada Of Selected Petroleum Products, Year 1968P

|   | Motor       | Kerosene   |            | Fuel oil               |            | Total all   | Total all        |
|---|-------------|------------|------------|------------------------|------------|-------------|------------------|
|   | gasoline    | stove oil  | Diesel     | Light                  | Heavy      | products    | products<br>1967 |
|   |             |            | Barrels    | of 35 Canadian gallons | gallons    |             |                  |
|   | 2,125,587   | 1,422,831  | 2,475,572  | 2,086,937              | 3,377,270  | 12,417,601  | 11,152,492       |
| 0<br>0<br>0<br>0                        | 9,517,662   | 3,087,219  | 3,745,592  | 9,216,507              | 14,701,615 | 43,432,625  | 38,636,623       |
| •                                       | 37,619,440  | 6,276,194  | 7,654,511  | 33, 202, 973           | 43,999,846 | 146,077,869 | 134,757,187      |
| •                                       | 55,670,540  | 3,358,156  | 9,150,829  | 38,084,779             | 26,072,053 | 151,516,226 | 143,720,249      |
| 0 | 7,432,027   | 1,192,677  | 2,734,724  | 1,919,540              | 848,347    | 16,243,569  | 15,759,154       |
| :                                       | 9,932,555   | 1,305,324  | 3,867,326  | 1,413,386              | 455, 153   | 18,872,736  | 18,562,375       |
| 0                                       | 15,250,649  | 580,586    | 5,854,042  | 797,955                | 559, 895   | 26,919,343  | 25,647,272       |
| British Columbia                        | 14,836,761  | 1,989,682  | 6,908,161  | 4, 796, 396            | 9,570,602  | 42,760,229  | 41,955,915       |
| North West Territories<br>and Yukon     | 209,965     | 63,715     | 517,412    | 254,584                | 100,110    | 1,386,210   | 1,125,842        |
| Canada Totals                           | 152,595,186 | 19,276,384 | 42,908,169 | 91,773,057             | 99,684,891 | 459,626,408 | 4                |
|   | 143,148,324 | 19,001,617 | 40,848,386 | 84,757,849             | 91,940,101 | 1           | 431,317,109      |
| Preliminary figures.                    |             |            |            |                        |            |             |                  |



IMPORTS Into Canada Of Selected Petroleum Products, Year  $1968^{\mathrm{p}}$ 

|                           | Motor                                    | Kerosene                                   |  | Fuel oil               |   | Total all  | Total all  |
|---------------------------|--|--|--|------------------------|---|--|--|
|                           | gasoline                                 | stove oil                                  | Diesel                                       | Light                  | Heavy   | products<br>1968                                   | products<br>1967                                   |
|                           |  |  | Barrels                                      | of 35 Canad            | ian gallons                                       |  |  |
| Atlantic Provinces Quebec | 863,386<br>3,594,243<br>29,463<br>13,005 | 1,638,039<br>1,737,073<br>309,566<br>3,907 | 3,584,470<br>3,322,255<br>507,677<br>350,574 | 5,354,139<br>2,552,923 | 8,676,873<br>18,898,294<br>1,672,780<br>4,937,020 | 21,192,725<br>38,248,684<br>8,039,351<br>6,235,675 | 16,531,440<br>36,200,967<br>9,079,058<br>6,393,133 |
| Canada totals             | 4,500,097                                | 3,688,585                                  | 7,764,976                                    | 13,153,622             | 34,184,967  | 73,716,435   | 68,204,598   |

P Preliminary figures.

EXPORTS Of Selected Petroleum Products, Year  $1968^{\text{p}}$ 

|                           | Motor              | Kerosene         |                             | 201 (0.1                     |                              | Total all                               | Total all                                   |
|---------------------------|--------------------|------------------|-----------------------------|------------------------------|------------------------------|---|---|
|                           | gasoline           | stove oil        | Diesel                      | Light                        | Heavy                        | products<br>1968                        | products<br>1967                            |
|                           |                    |                  | Barrels                     | of 35 Canad                  | ian gallons                  |   | l   |
| Atlantic Provinces Quebec | 146,153<br>757,154 | 78,555<br>39,024 | 89,148<br>28,140<br>669,242 | 21,836<br>741,149<br>300,233 | 168,654<br>166,406<br>49,576 | 23<br>346,768<br>1,829,043<br>2,464,533 | 16,155<br>220,389<br>1,209,820<br>1,581,432 |
| Canada totals             | 903,307            | 117,579          | 786,530                     | 1,063,218                    | 384,636                      | 4,640,367                               | 3,027,796                                   |

P Preliminary figures.



## 3. National Advisory Committee on Petroleum Statistics

Users of petroleum statistics will be interested in the establishment of a "National Advisory Committee on Petroleum Statistics". Members are drawn from industry, provinces and the federal government.

The first meeting of the Advisory Committee was held on March 11, 1969 and it was decided that a working sub-committee will be formed to study the area of commodity statistics.

The objective of the study is to establish the need for marketing, production and similar types of data for crude petroleum and for its products. Some of the current data related to these objectives which will be reviewed is published in the following reports:

Crude Petroleum and Natural Gas Production (Catalogue 26-006)

Refined Petroleum Products (Catalogue 26-004 and 26-204)

Refined Petroleum Products Volume II (Catalogue 26-208)

Persons or companies engaged in petroleum production, transport or marketing, interested in making a contribution, through serving on the subcommittee or submitting comments are invited to contact the Chairman of the National Advisory Committee, Mr. G.W. Andrews of the DBS, on or before the 21st day of April, 1969.



ENERGY STATISTICS

r further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 16

April 18, 1969



Preliminary Electric Energy Statistics, February 1969

Net generation of electric energy increased 3.7% to 15,475,226 thousand Kwh in the 28 day month of February 1969 from 14,916,003 thousand Kwh in the 29 day month of February 1968. All provinces showed an increase in generation with the exception of Prince Edward Island, New Brunswick, Quebec and Manitoba.

Imports and exports increased 8.0% and 9.9% respectively which secondary energy consumption decreased 43.0%. Firm energy consumption was up 4.5%

6503-521



# Preliminary Electric Energy Statistics (thousand kwh)

|                               |            | February                |            |
|-------------------------------|------------|-------------------------|------------|
|                               | 1967       | 1968                    | 1969       |
|                               |            |                         |            |
| Wet generation - Hydro        | 10,768,096 | 11,265,404              | 11,283,21  |
| Thermal                       | 2,966,148  | 3,650,599 <sup>r</sup>  | 4,192,015  |
| Total net generation          | 13,734,244 | 14,916,003 <sup>r</sup> | 15,475,226 |
| nergy imported from U.S.A     | 286,597    | 389,820                 | 420,986    |
| nergy exported to U.S.A.:     |            |                         |            |
| Firm                          | 42,737     | 56,502                  | 59,560     |
| Secondary                     | 295,278    | 279,744                 | 309,877    |
| Total exported to U.S.A       | 338,015    | 336,246                 | 369,437    |
| t energy used in Canada       | 13,682,826 | 14,969,577 <sup>r</sup> | 15,526,775 |
| condary energy used in Canada | 249,953    | 235,461 <sup>r</sup>    | 134,424    |
| rm energy used in Canada      | 13,432,873 | 14,734,116 <sup>r</sup> | 15,392,351 |





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Catalogue No. 57-002 Vol. 4, No. 17

April 21, 1969

APR 21 1989

Dominion Bureau of Statistics

Retail Gasoline Statistics by Metropolitan Area, 1968

Retail sales of gasoline in Canada's major metropolitan areas for the year 1968 were 1,526.4 million gallons. This amount is estimated to be 40.3 per cent of Canada's total motor gasoline sold through retail pump outlets.

Following 1968 data includes statistics for the cities of Calgary, Edmonton and Regina which were not part of D.B.S. 1967 survey nor part of our quarterly releases in 1968; this information was supplied at year end and our 1969 bulletin will include these statistics on a quarterly basis.





## Retail Gasoline Statistics by Metropolitan Area 1968

|                  | lst     | Quarter      | 2nd     | Quarter      | 3rd     | Quarter      | 4th     | Quarter      | Year to Date       |
|------------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|--------------------|
|                  | Outlets | Gallonage(1) | Outlets | Gallonage(1) | Outlets | Gallonage(1) | Outlets | Gallonage(1) | total gallonage(1) |
|                  |         |              | -       |              |         |              |         |              |                    |
| Montreal         | 2,209   | 107,103      | 2,212   | 112,451      | 2,211   | 114,516      | 2,215   | 115,833      | 449,903            |
| Ottawa-Hull      | 438     | 21,103       | 444     | 22,014       | 445     | 23,910       | 433     | 23,524       | 90,551             |
| Toronto-Hamilton | 2,325   | 128,190      | 2,330   | 132,659      | 2,313   | 137,957      | 2,304   | 141,334      | 540,140            |
| Winnipeg         | 482     | 20,396       | 486     | 21,693       | 491     | 23,141       | 483     | 23,540       | 88,770             |
| Regina           | 126     | 6,239        | 126     | 7,149        | 127     | 8,434        | 127     | 6,051        | 27,873             |
| Calgary          | 384     | 16,008       | 380     | 18,292       | 381     | 20,731       | 382     | 16,763       | 71,794             |
| Edmonton         | 356     | 16,629       | 352     | 18,803       | 350     | 21,495       | 353     | 17,395       | 74,322             |
| Vancouver        | 952     | 42,467       | 953     | 46,041       | 962     | 49,571       | 958     | 44,930       | 183,009            |
| Tot.13           | 7,272   | 358,135      | 7,283   | 379,102      | 7,280   | 399,755      | 7,255   | 389,370      | 1,526,362(2)       |

(1) Gallonages are in '000 gallons.

(2) Percentage of estimated gallonage is 0.02.

Using estimated vehicles registration statistics, passenger cars per service station in the eight metropolitan areas averaged 366. The Toronto-Hamilton area has an average of 420 passenger cars per station, followed by Edmonton with 391, Ottawa-Hull 386, Regina 358, Vancouver 357, Calgary 342, Montreal and Winnipeg with 321.

Population per car in these metropolitan areas is estimated at 3.1. This compares with the Canada figure of 3.5. The cities of Calgary and Vancouver have a population per car of 2.7, followed by Toronto-Hamilton, Regina, Edmonton, Ottawa-Hull, Winnipeg and Montreal with the last area registering a ratio of 3.8 persons per car.

During 1968, gasoline sold through retail pump outlets in the metropolitan areas averaged 505 gallons per vehicle. Montreal shows an average of 558 gallons; Regina 510; Winnipeg 509; Toronto-Hamilton 498; Ottawa-Hull 487; Vancouver 470; Calgary 454; Edmonton 435.

With the exception of Calgary, Regina, Winnipeg and Vancouver, metropolitan areas are not identical with census metropolitan areas. Population and number of vehicles for these are as follows:

|                  | Population*<br>lst June 1967 | Passenger<br>cars(1, 2)* | Commercial vehicles(1)* |
|------------------|------------------------------|--------------------------|-------------------------|
| Montreal         | 2,703,460                    | 711,500                  | 95,000                  |
| Ottawa-Hull      | 517,418                      | 167,000                  | 19,000                  |
| Toronto-Hamilton | 2,806,179                    | 2 967,600                | 118,000                 |
| Winnipeg         | 514,000                      | 155,000                  | 19,500                  |
| Regina           | 134,000                      | 45,500                   | 9,100                   |
| Calgary          | 347,000                      | 130,600                  | 27,400                  |
| Edmonton         | 412,000                      | 138,000                  | 32,800                  |
| Vencouver        | 923,000                      | 341,800                  | 47,500                  |
| Canada total     | 20,405,000                   | 5,830,000                | 1,723,075               |

(1) 1967 registrations.

(2) Taxis included.

\* Estimates.



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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 18

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| 1. | Refined Petroleum Products, January 1969                  | :    |
| 2. | Sales of Natural Gas, February 1969, Catalogue No. 55-002 |      |

## 1. Refined Petroleum Products, January 1969

Production of refined petroleum products increased 13.1% in January to 38,077,025 barrels from 33,665,645 in the same month last year, according to an advance release of data that will be contained in the January issue of the DBS report "Refined Petroleum Products." Cat. No. 45-004.

Receipts of crude oil increased 7.1% in January to 37,420,871 barrels from 34,952,705 a year earlier. There was 5.4% more domestic crude at 20,835,788 barrels versus 19,763,202 and, 9.2% more imported crude at 16,585,083 barrels versus 15,189,-503. Domestic disappearance of finished petroleum products increased 2.4% to 47,658,695 barrels from 46,521,253 in the same month last year.

Sales of petroleum products in January increased 2.8% from last year.

Inventories of all products were 83.8 million barrels at the end of January 1969, an increase of 7.0 million barrels over January 1968 and 0.5 million barrels over January 1967.



503-521

S. Regional Offices — St. Johns • Halifax • Montreal • Toronto • Winnipeg • Edmonton • Vancouver



Refinery Production in Canada of Selected Petroleum Products, January 1969

|  | Motor       | Xerocone  |            | Fuel oil               |           | Total all   | all products |
|--|-------------|-----------|------------|------------------------|-----------|-------------|--------------|
|  | gasoline    | stove oil | Diesel     | + 40°-                 | D C       | January     | ry           |
|  |             |           | 4          | 711977                 | neavy     | 1969        | 1968         |
|  |             |           | barrels of | of 35 Canadian gallons | gallons   | _           |              |
| Newfoundland   | (1)         | (1)       | ı          | (1)                    | (1)       | (1)         | (1)          |
| Maritimes  | 1,129,376   | 520,971   | (2)        | 810,662                | 1,182,775 | 4,024,436   | 2,432,400    |
| Quebec   | 3,571,201   | 897,588   | 820,038    | 3,106,925              | 3,601,854 | 12,790,808  | 11,407,191   |
| Ontario  | 4, 150, 716 | 540,978   | 418, 148   | 2,656,282              | 1,707,958 | 11,396,768  | 9,892,813    |
| Manitoba   | 611,509     | 2,351     | 189,280    | 252, 168               | 163,592   | 1,378,627   | 1,408,696    |
| Saskatchewan   | 980,034     | 181,485   | 221,088    | 246,973                | 235,227   | 2, 139, 255 | 2,020,785    |
| Alberta  | 1,621,530   | 105, 188  | 492,830    | 350,805                | 214,983   | 3,338,849   | 2,872,053    |
| British Columbia                                       | 1,061,209   | 199,083   | 721, 162   | 71,551                 | 573,066   | 2,940,551   | 3,566,973    |
| North West Territories and Yukon                       | 07          | a .       | 19,404     | 425                    | 5,925     | 67,731      | 64,734       |
| Canada totals  | 13,125,615  | 2,447,644 | 2,881,950  | 7,495,791              | 7,685,380 | 38,077,025  |              |
| Canada, 1968   | 11,811,783  | 2,120,084 | 3,024,044  | 5,948,936              | 6,882,061 | ı           | 33,665,645   |
| (1) Included with Maritimes. (2) Included with Quebec. | les.        |           |            |                        |           |             |              |



NET SALES In Canada Of Selected Petroleum Products, January 1969

|                                  |                   |                       |           |                |             | Total all  | products     |
|----------------------------------|-------------------|-----------------------|-----------|----------------|-------------|------------|--------------|
|                                  | Motor<br>gasoline | Kerosene<br>stove oil | 1000      | + 100          |             | January    | ary          |
|                                  |                   |                       | 100047    | 77811          | neavy       | 1969       | 1968         |
|                                  |                   |                       | barrels   | of 35 Canadian | gallons     |            |              |
| Newfoundland                     | 139, 159          | 213,549               | 165,769   | 271,646        | 313, 794    | 1,167,214  | 990,472      |
| Maritimes                        | 657, 190          | 348,100               | 253,276   | 1,285,554      | 984,460     | 3,709,320  | 3, 982, 998  |
| Quebec                           | 2, 701, 795       | 966,459               | 576,235   | 4,907,681      | 3,629,049   | 13,849,431 | 14, 136, 381 |
| Ontario                          | 4, 176, 626       | 535,474               | 736, 956  | 6,356,693      | 2,541,749   | 15,891,150 | 15,379,861   |
| Manitoba                         | 503,176           | 189, 674              | 153, 282  | 375,767        | 168,836     | 1,527,656  | 1,434,424    |
| Saskatchewan                     | 555, 687          | 265,209               | 171,756   | 290,573        | 63,746      | 1,402,815  | 1,386,768    |
| Alberta                          | 1,103,842         | 111,816               | 418,510   | 165,052        | 31,058      | 2,027,916  | 1,906,869    |
| British Columbia                 | 1,056,047         | 325,740               | 520,598   | 1,294,119      | 1, 206, 986 | 4,694,938  | 3,898,667    |
| North West Territories and Yukon | 18,651            | 11,423                | 28,871    | 31,707         | r           | 106,254    | 67,599       |
| Canada totals                    | 10,912,173        | 2,967,444             | 3,025,253 | 14,978,792     | 8,939,678   | 44,376,694 | ,            |
| Canada, 1968                     | 10,642,880        | 3,319,301             | 2,836,632 | 15, 102, 842   | 8,292,508   | e          | 43, 184, 039 |



IMPORTS Into Canada Of Selected Petroleum Products, January 1969

|                          | Motor      | Vorosono                     |                                  |                              |                               |  |
|--------------------------|------------|------------------------------|----------------------------------|------------------------------|-------------------------------|--|
|                          | gasoline   | stove oil                    | Diesel                           | Light                        | Heavy                         | <pre>Total all products</pre>              |
|                          |            | Ŷ                            | barrels of 35 C                  | Canadian gallons             |                               |  |
| Maritimes Quebec Ontario | 89,009     | 101,804<br>440<br>642<br>479 | 203, 131<br>138, 607<br>139, 423 | 577,958<br>5<br>1<br>287,074 | 472,025<br>- 2,356<br>399,641 | 1,634,009<br>168,123<br>109,417<br>951,288 |
| Canada total             | 89,524     | 103,365                      | 481,161                          | 865,038                      | 869,310                       | 2,862,837                                  |
|                          | EXPORTS Of | Selected                     | Petroleum Products,              | January 1969                 |                               |  |
|                          | Motor      | Kerosene                     |                                  | Fuel oil                     |                               | e<br>E                                     |
|                          | gasoline   | stove oil                    | Diesel                           | Light                        | Heavy                         | - Total all<br>products                    |
|                          |            | p                            | barrels of 35 Ca                 | Canadian gallons             |                               |  |
| Maritimes                | 1          | ı                            | f                                | ı                            | 1                             | ı  |
| Quebec                   | g (        | 1                            | ı                                | ı                            | f                             | 1,397                                      |
| Contractor               | 16,968     | 16,449                       | ı                                | ı                            | ,                             | 276,743                                    |
| Alborto                  | r          | ſ                            | 335                              | 1                            | 13,369                        | 14,934                                     |
| Rritich Columbia         | 1 00       | f                            |                                  |                              | 15,435                        | 15,435                                     |
| pricish columnia         | 33,380     |                              | 50,542                           | 16,120                       | 11, 153                       | 121,304                                    |
| Canada total             | 50,348     | 16,449                       | 50,877                           | 16,120                       | 39,957                        | 429,813                                    |



## 2. Sales of Natural Gas February 1969, Catalogue No. 55-002

Total sales of natural gas to Canadian consumers for February 1969 were 95,528,230 Mcf. This was an increase of 12.3% over the same month last year. Revenue from sales was \$65,542,248.

Sales to residential customers accounted for 37.6%, to industrial customers 36.9% and commercial customers 25.5%.

Sales of Natural Gas, February 1969

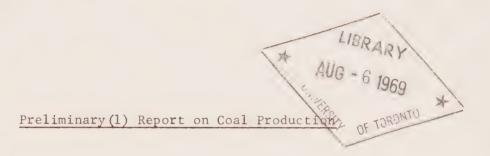
|                  | Custom  | ers       |              |              |
|------------------|---|-----------|--------------|--------------|
|                  | Space heating                                     | Total     | Gas sold     | Revenue      |
|                  | No.   |           | Mcf.         | \$           |
| Residential      | ann t   |           |              |              |
| New Brunswick    | 130   | 1,774     | 3,865        | 12,913       |
| Quebec           | 102,247   | 204, 296  | 1,558,069    | 2,537,751    |
| Ontario          | 587,041   | 706, 741  | 14,411,095   | 16,904,971   |
| Manitoba         | 105,097   | 107,456   | 3,038,042    | 2,467,539    |
| Saskatchewan     | 118,924   | 121,330   | 3,863,499    | 2,647,323    |
| Alberta          | 261,866   | 264,213   | 9,679,978    | 4,603,812    |
| British Columbia | 181,689   | 199,821   | 3,356,031    | 4,931,590    |
| Canada           | 1,356,994   | 1,605,631 | 35,910,579   | 34, 105, 899 |
| ndustrial        |   |           |              |              |
| New Brunswick    |   | _         |              | _            |
| Quebec           |   | 2,271     | 2, 191, 588  | 1,385,569    |
| Ontario          |   | 8, 139    | 14,094,037   |              |
| Manitoba         |   | 297       |              | 8,688,152    |
| Saskatchewan     |   | 621       | 829, 144     | 318,339      |
|                  | 1   |           | 4,477,389    | 1,293,383    |
| Alberta          |   | 526       | 9,740,230    | 1,755,740    |
| British Columbia |   | 247       | 3,946,141    | 1,302,45     |
| Canada           |   | 12,101    | 35, 278, 529 | 14,743,642   |
| Firm             |   | 11,542    | 31,097,395   | 13,050,196   |
| Interruptible    | • • • • • • • • • • • • •                         | 559       | 4, 181, 134  | 1,693,446    |
| ommercial        |   |           |              |              |
| New Brunswick    |   | 66        | 2,559        | 5,392        |
| Quebec           |   | 10,406    | 813,759      | 916,829      |
| Ontario          |   | 64,974    | 9, 166, 823  | 7, 977, 760  |
| Manitoba         |   | 10,465    | 2,206,868    | 1,434,681    |
| Saskatchewan     |   | 16,765    | 2,234,483    | 1,233,939    |
|                  |   |           |              |              |
| Alberta          |   | 30,253    | 7, 293, 186  | 2,745,126    |
| British Columbia |   | 25,792    | 2,621,444    | 2,378,980    |
| Canada           | *           | 158, 721  | 24,339,122   | 16,692,707   |
| otal sales       |   |           |              |              |
| New Brunswick    |   | 1,840     | 6,424        | 18,305       |
| Quebec           |   | 216,973   | 4,563,416    | 4,840,149    |
| Ontario          |   | 779,854   | 37,671,955   | 33,570,883   |
| Manitoba         |   | 118,218   | 6,074,054    | 4,220,559    |
| Saskatchewan     |   | 138,716   | 10,575,371   | 5, 174, 645  |
| Alberta          |   | 294,992   | 26,713,394   | 9, 104, 678  |
| British Columbia |   | 225,860   | 9,923,616    | 8,613,029    |
| Canada           |   | 1,776,453 | 95,528,230   | 65,542,248   |
| otal exports     |   |           | 53,393,931   | 13,837,173   |
| otal imports     | * 0 * * 0 9 * 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |           | 2,404,738    | 2,527,762    |
| Tuborto          |   |           | 2,404,730    | 2,327,102    |



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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 19 April 28, 1969



March 1969

Coal production for the month of March 1969 amounted to 1,025,523 tons, an increase of 2.8% from the March 1968 preliminary production figure of 997,887 tons. Landed imports were 86,871 tons compared with 85,987 tons for the same period last year.

6503-521

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.



# Production and Landed Imports of Coal, by Provinces

|   | 1968   |  | 1969   |  |
|---|--|--|--|--|
|   | Production(2)  | Landed imports(1)  | Production(2)  | Landed imports(1)                                |
|   | 1  | net tons of  | 2,000 pounds   |  |
| March Newfoundland                                      | _  | -  |  |  |
| Nova Scotia   | 320,465<br>59,473<br>-<br>-<br>237,135<br>84,312                         | 27,364<br>-<br>12,673<br>45,417<br>-<br>533              | 265,077<br>53,407<br>-<br>-<br>207,692<br>113,244                          | 43,703<br>9,663<br>32,192<br>789<br>223          |
| Sub-bituminous British Columbia and Yukon Canada totals | 221,897<br>74,605  | 85,987   | 290,270<br>95,833<br>1,025,523   | 301<br>86,871                                    |
| Three months ended March                                |  |  |  |  |
| Newfoundland  | 884,735<br>189,291<br>-<br>-<br>813,302<br>242,723<br>724,142<br>219,634 | 5,874<br>121,861<br>141<br>41,607<br>114,291<br>-<br>792 | 828,386<br>175,994<br>-<br>-<br>690,139<br>270,023<br>1,013,477<br>231,629 | 3,508 212,684 257 40,427 158,965 1,076 345 - 301 |
| Canada totals   | 3,073,827  | 284,566  | 3,209,648  | 417,563  |

<sup>1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>2)</sup> All figures are preliminary.



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# 1. Oil Pipe Line Transport, October 1968, Cat. No. 55-001

Oil movements by Canadian oil pipe lines increased by 6.4% in October 1968 with receipts of 52,424,828 barrels compared with 49,278,924 in the preceding year; import receipts increased to 11,296,769 barrels from 11,108,711.

Total traffic amounted to 23,211 million barrel miles with an average length of haul of 459.6 miles.

6503-521



Oil Pipe Line Transport, October 1968

| Supply<br>and<br>Disposition | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>October<br>1968 | Total<br>October<br>1967 | % of<br>increase<br>or<br>decrease<br>over 1967 |
|------------------------------|--------------------------------|--|--------------------------|--------------------------|---|
|                              |                                | barrels                                  | 35 Canadian              | gallons                  |   |
| Net receipts                 |                                |  |                          |                          |   |
| Domestic Imports             | 34,253,086<br>11,248,309       | 6, <b>874</b> ,973<br>48,460             | 41,128,059<br>11,296,769 | 38,170,243<br>11,108,711 | 7.7<br>1.7                                      |
| Total net receipts           | 45,501,395                     | 6,923,433                                | 52,424,828               | 49,278,924               | 6.4   |
| Net deliveries               |                                |  |                          |                          |   |
| Domestic Exports             | 30,153,547<br>13,392,168       | 6,562,310<br>388,143                     | 36,715,857<br>13,780,311 | 35,004,385<br>13,579,597 | 4.9<br>1.5                                      |
| Total net deliveries         | 43,545,715                     | 6,950,453                                | 50,496,168               | 48,583,982               | 3.9   |
| inventory change             | 1,883,582                      | - 38,523                                 | 1,845,059                | 664,762                  | 60  |

## 2. Coal and Coke Statistics, February 1969, Cat. No. 45-002

Coal production for the month of February amounted to 1,002,385 tons an increase of 0.8% from he February 1968 production of 994,240 tons, while landed imports were 129,757 tons compared with 8,814 tons for the month of February 1968. Consumption by industrial consumers amounted to 1,702,603 ons of coal and 485,130 of coke, an increase of 106,817 tons of coal and a decrease of 9,470 tons of oke from last year.

Industrial consumers' stocks of coal and coke decreased to 4,615,694 tons from 4,752,847 tons 1 February 1968.

Coke production during the month of February 1969, increased to 435,541 tons from 434,334 tons 1 February 1968, while coke used in blast furnaces decreased to 330,531 tons from 349,719 tons during 18 same period.



Coal and Coke Statistics February 1969

|                            |            |                   | Coal                                    |                                     |  | Со   | ke   |
|----------------------------|------------|-------------------|---|-------------------------------------|--|--|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption by industrial consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons                                |  |  |  |
| Newfoundland               | -          | -                 | ~~                                      | ~                                   | -  | -  | -  |
| Prince Edward Island       | _          | na.               |   | ~                                   | -  | -  | -  |
| Nova Scotia                | 273,103    | 79,221            | 220,919                                 | 67,900                              | 21,460                                       | 41,745                                       |  |
| New Brunswick              | 52,304     | 11                | 51,854                                  | 47,990                              | 43,555                                       | ~  | -  |
| Quebec                     | -          | 14,772            | -                                       | 114,419                             | 228,075                                      | 62,624                                       | 87,543                                       |
| Ontario                    | na.        | 35,437            | -                                       | 1,059,062                           | 3,787,745                                    | 356,355                                      | 110,548                                      |
| Manitoha                   | **         | 194               | 746                                     | 41,668                              | 100,594                                      | 308  | 111  |
| Saskatchewan               | 220,749    | 122               | 219,678                                 | 129,645                             | 169,967                                      | -  | -  |
| Alberta                    | 397,773    | -                 | 384,460                                 | 233,347                             | 24,729                                       | 305  | 145  |
| British Columbia and Yukon | 58,456     | ~                 | 57,138                                  | 8,572                               | 7,858  | 23,793                                       | 33,364                                       |
| Total Canada 1969          | 1,002,385  | 129,757           | 934,049                                 | 1,702,603                           | 4,383,983                                    | 485,130                                      | 231,711                                      |
| Total Canada 1968          | 994,240    | 88,814            | 904,164                                 | 1,595,786                           | 4,558,058                                    | 494,600                                      | 194,789                                      |

## 3. Preliminary Production Crude Oil and Equivalent and Natural Gas by Source, 1968

The following tables show preliminary production data on crude oil and equivalent, and natural gas, by source, for he year 1968.

Crude oil exports for the year 1968 amounted to 169,213,322 barrels. Natural gas exports were 604,445,221 Mcf.



ouppyy or uruse U11 and Equivalent and of Natural Gas, by Source, Canada

|  | New<br>Bruns-<br>wick | Quebec     | Ontario    | Manitoba  | Saskat-<br>chewan | Alberta                   | British<br>Columbia | Northwest<br>Terri-<br>tories | Total<br>Canadian<br>sources | Total<br>Foreign<br>sources | Total<br>all<br>sources |
|--|-----------------------|------------|------------|-----------|-------------------|---------------------------|---------------------|-------------------------------|------------------------------|-----------------------------|-------------------------|
|  |                       |            |            |           | ba                | barrels of 35 C           | Canadian gallons    | suc                           |                              |                             |                         |
| Crude oil and equivalent                                 |                       |            |            |           |                   |                           |                     |                               |                              |                             |                         |
| Domestic production:                                     |                       |            |            |           |                   |                           |                     |                               |                              |                             |                         |
| Crude oil  | 7,648                 | 1          | 1,154,028  | 6,203,745 | 91,879,781        | 265,501,895               | 22,150,862          | 862,878                       | 387,760,837                  | •                           | 387,760,837             |
| Less returned to formation                               | 1                     | 1          | ı          | 1         | ,                 | 9,101,760                 | 1                   | 111,286                       | 9,213,046                    | •                           | 9,213,046               |
| Condensate   | 1                     | 1          | ,          | ı         | 1                 | 786,443                   | 52,365              | 1                             | 838,808                      | •                           | 838,808                 |
| Pentanes plus  | 1                     | ,          | r          | 1         | 324,482           | 31,050,939                | 960,252             | ,                             | 32,335,673                   | •                           | 32,335,673              |
| Net withdrawals  | 7,648                 | ŧ          | 1,154,028  | 6,203,745 | 92,204,263        | 288,237,517               | 23,163,479          | 751,592                       | 411,722,272                  | :                           | 411,722,272             |
| Imports  | :                     | 1          |            | •         | •                 |                           | 0                   | *                             | •                            | 166,427,214                 | 166,427,214             |
| Total supply   | 7,648                 | ı          | 1,154,028  | 6,203,745 | 92,204,263        | 288,237,517               | 23,163,479          | 751,592                       | 411,722,272                  | 166,427,214                 | 578,149,486             |
|  |                       |            |            |           |                   | thousand cubic feet       | bic feet            |                               |                              |                             |                         |
| Natural gas  |                       |            |            |           |                   |                           |                     |                               |                              |                             |                         |
| Gross new production                                     | 112,967               | 137,573    | 1,974,385  | 1         | 68,112,212        | 1,633,327,029279,425,663  | 279,425,663         | 708,728                       | 1, 993, 798, 557             | •                           | 1,993,798,557           |
| Less field flared and waste                              | 1                     | ,          | 1          | 1         | 11,295,574        | 58,114,759                | 11,292,881          | 666,126                       | 81,369,340                   | :                           | 81,369,340              |
| Net new production                                       | 112,967               | 137,573 1  | 11,974,385 | ı         | 56,815,538 1      | .,575,212,270 268,132,782 | 268,132,782         | 42,602                        | ,912,429,217                 | :                           | 1,912,429,217           |
| Less injected and stored (excluding distributor storage) | ı                     | ı          | ,          | 1         | 35,685            | 211,817,557               | 7,788,471           | 1                             | 219,641,713                  | •                           | 219, 641, 713           |
| Net withdrawals  | 112,967               | 137,573 11 | 11,974,385 | ı         | 56,780,953 1      | ,363,394,713260,344,311   | 260,344,311         | 42,602                        | ,692,787,504                 |                             | 1,692,787,504           |
| Imports  |                       |            | •          | ı         | :                 | •                         | •                   |                               | •                            | 81,554,016                  | 81,554,016              |
| Total supply   | 112,967               | 137,573 11 | 11,974,385 | ,         | 56,780,953        | 1,363,394,713260,344,311  | 260,344,311         | 42,602 1                      | ,692,787,504                 |                             | 1,774,341,520           |
| Figures not appropriate or not applicable.               | able.                 |            |            |           |                   |                           |                     |                               |                              |                             |                         |



# ERVICE BULLETIN

ENERGY STATISTICS

or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR



May 13, 1969

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## 1. Preliminary Electric Energy Statistics, March 1969, Catalogue No. 57-001

Net generation of electric energy increased 11.2% to 16,579,398 thousand kwh. in March 1969 from 14,912,747 thousand kwh. in March 1968. This is the largest percentage increase in net generation since June 1966. Significant increases occurred in all provinces with the exception of New Brunswick where generation decreased 9.4%. Output from hydro plants increased 9.1% while generation from thermal stations was up 18%. Thermal generation increased in all provinces except Quebec, Manitoba and Saskatchewan. The only decreases in hydro generation occurred in Nova Scotia and New Brunswick.

Imports and exports increased approximately 9% and 36% respectively compared with March 1968. Secondary energy comsumption increased by 20,232 thousand kwh. to 130,302 thousand kwh. in March 1969. Firm energy consumption was up 10.5% over March 1968.



## Preliminary Electric Energy Statistics (thousand kwh)

|                                 |            | March                   |            |
|---------------------------------|------------|-------------------------|------------|
|                                 | 1967       | 1968                    | 1969       |
|                                 |            |                         |            |
| Net generation - Hydro          | 11,260,610 | 11,304,074              | 12,319,895 |
| Thermal                         | 3,292,676  | 3,608,673               | 4,259,503  |
| Total net generation            | 14,553,286 | 14,912,747              | 16,579,398 |
| Energy imported from U.S.A      | 317,384    | 441,584                 | 480,644    |
| Energy exported to U.S.A.:      |            |                         |            |
| Firm                            | 47,864     | 60,951                  | 71,208     |
| Secondary                       | 315,256    | 261,329                 | 362,742    |
| Total exported to U.S.A         | 363,120    | 322,280                 | 433,950    |
| Net energy used in Canada       | 14,507,550 | 15,032,051              | 16,626,092 |
| Secondary energy used in Canada | 196,235    | 110,070 <sup>r</sup>    | 130,302    |
| Firm energy used in Canada      | 14,311,315 | 14,921,981 <sup>r</sup> | 16,495,790 |
| Revised figures.                |            |                         |            |



### 2. Oil Pipe Line Transport, November 1968, Cat. No. 55-001

Oil movements by Canadian oil pipe lines increased by 8.7 in November 1968 with receipts of 53,191,287 barrels compared with 48,950,931 in the preceding year; import receipts increased to 11,401,157 barrels from 10,619,135.

Total traffic amounted to 22,617 million barrel miles with an average length of haul of 440.7 miles.

Oil Pipe Line transport, November 1968

| Supply<br>and<br>Disposition | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>November<br>1968 | Tota1<br>November<br>1967 | % of<br>increase<br>or<br>decrease<br>over 1967 |
|------------------------------|--------------------------------|--|---------------------------|---------------------------|---|
|                              |                                | barrels                                  | 35 Canadian g             | allons                    |   |
| Net receipts                 |                                |  |                           |                           |   |
| Domestic Imports             | 34,039,276<br>11,347,776       | 7,750,854<br>53,381                      | 41,790,130<br>11,401,157  | 38,331,796<br>10,619,135  | 9.0<br>7.4                                      |
| Total net receipts           | 45,387,052                     | 7,804,235                                | 53,191,287                | 48,950,931                | 8.7   |
| Net deliveries               |                                |  |                           |                           |   |
| Domestic                     | 29,506,397<br>13,962,815       | 7,427,759<br>425,671                     | 36,934,156<br>14,388,486  | 35,800,281<br>13,263,633  | 3.2<br>8.5                                      |
| Total net deliveries         | 43,469,212                     | 7,853,430                                | 51,322,642                | 49,063,914                | 4.6   |
| Inventory change             | 1,840,139                      | - 60,675                                 | 1,779,464                 | - 233,848                 | •   |

#### 3. Refined Petroleum Products

Production of refined petroleum products increased 2.0% in February to 34,874,112 barrels from 34,178,061 in the same month last year, according to an advance release of data that will be contained in the February issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 4.2% in February to 34,135,224 barrels from 32,752,855 a year earlier. There was 3.0% less domestic crude at 19,069,908 barrels versus 19,656,410 and, 15.0% more imported crude at 15,065,316 barrels versus 13,096,445. Domestic disappearance of finished petroleum products decreased 6.0% to 41,940,365 barrels from 44,553,923 in the same month last year.

Sales of petroleum products in February decreased 5.9% from last year.

Inventories of all products were 81.0 million barrels at the end of February 1969, an increase of 1.1 million barrels over February 1968 and 6.4 million barrels over February 1967.



Refinery Production In Canada Of Selected Petroleum Products, February 1969

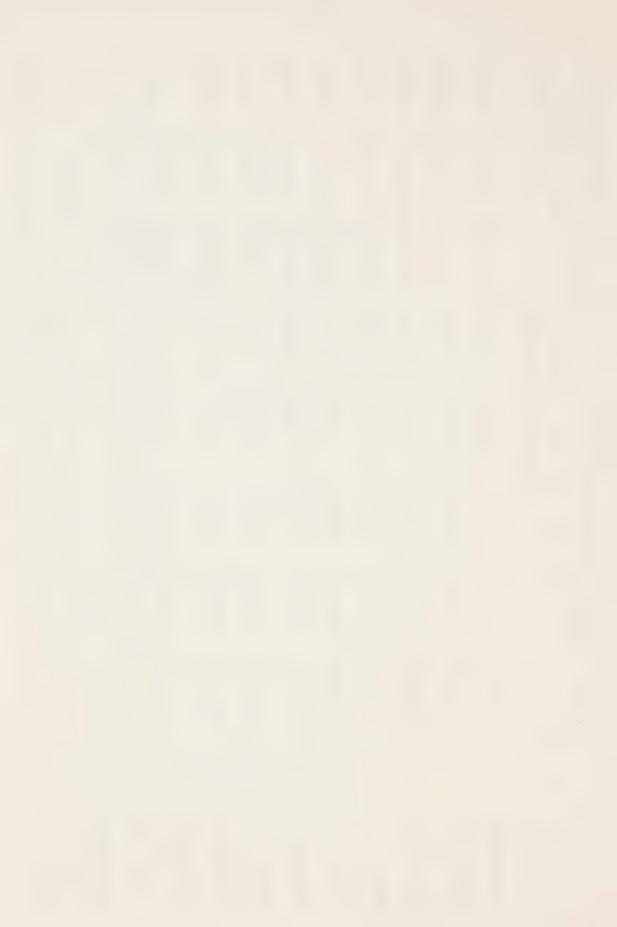
|                                  | Motor      | Xerosene  |           | Fuel oil        |                  |                    | Total all  | . products |
|----------------------------------|------------|-----------|-----------|-----------------|------------------|--------------------|------------|------------|
|                                  | gasoline   | stove oil | Diesel    | Light           | Heavv            | Total all products | Cumu 1     | Cumulative |
|                                  |            |           |           | 1               | Canal            |                    | 1969       | 1968       |
|                                  |            |           |           | Darrels of 35 C | Canadian gallons | SI                 |            |            |
| Newfoundland                     | (1)        | (1)       | ł         | (1)             | (1)              | (1)                | (1)        | (1)        |
| Maritimes                        | 1,089,919  | 260,132   | (2)       | 811,085         | 1,101,781        | 3,617,972          | 7,642,408  | 5,456,168  |
| Quebec                           | 3,186,513  | 820,001   | 1,056,351 | 2,479,812       | 3,304,411        | 11,802,653         | 24,593,461 | 23,311,135 |
| Ontario                          | 3,769,064  | 551,889   | 447,398   | 2,329,063       | 1,469,401        | 10,101,458         | 21,498,226 | 19,823,527 |
| Manitoba                         | 547,224    | 76,048    | 125,750   | 207,724         | 165,565          | 1,278,435          | 2,657,062  | 2,683,311  |
| Saskatchewan                     | 944,654    | 161,885   | 376,615   | 92,167          | 186,991          | 1,949,618          | 4,088,873  | 3,887,140  |
| Alberta                          | 1,523,379  | 87,563    | 466,757   | 358,117         | 204,224          | 3,146,975          | 6,485,824  | 5,632,817  |
| British Columbia                 | 1,028,217  | 174,096   | 767,721   | 165,572         | 399,280          | 2,932,357          | 5,872,908  | 6,939,283  |
| North West Territories and Yukon | - 71       | 797       | 15,448    | 1               | 4,848            | 77, 977            | 112,375    | 110,325    |
| Canada totals                    | 12,088,899 | 2,132,078 | 3,256,040 | 6,443,540       | 6,836,501        | 34,874,112         | 1          | 1          |
| Canada cumulative                |            |           |           |                 |                  |                    |            |            |
| 1969                             | 25,214,514 | 4,579,722 | 6,137,990 | 13,939,331      | 14,521,881       | ı                  | 72,951,137 | ,          |
| 1968                             | 23,401,799 | 4,321,166 | 6,504,172 | 12,465,678      | 13,526,562       | ř                  | 1          | 67,843,706 |
| Included with Maritimes.         | nes.       |           |           |                 |                  |                    |            |            |

(1) Included with Maritime (2) Included with Quebec.



NET SALES In Canada Selected Petroleum Products, February 1969

|                                  | Motor      | Kerosene  |           | Fuel 0il        |                  | ,                     | Total All  | Total All Products |
|----------------------------------|------------|-----------|-----------|-----------------|------------------|-----------------------|------------|--------------------|
|                                  | gasoline   | stove oil | Diesel    | Light           | Неачи            | Total all<br>products | Cumu 1     | Cumulative         |
|                                  |            |           |           | 0               | Canal I          |                       | 1969       | 1968 <sup>r</sup>  |
|                                  | _          |           |           | barrels of 35 C | Canadian gallons | S                     |            |                    |
| Newfoundland                     | 137,061    | 140,393   | 173,636   | 226,133         | 102,907          | 826,209               | 1,993,423  | 2,029,532          |
| Maritimes                        | 625,698    | 350,304   | 267,533   | 1,172,734       | 1,280,269        | 3,863,358             | 7,572,678  | 8,509,189          |
| Quebec                           | 2,609,504  | 870,313   | 523,729   | 4,302,374       | 2,759,254        | 12,052,334            | 25,901,765 | 27, 363, 519       |
| Ontario                          | 3,935,092  | 405,663   | 690,027   | 5,446,058       | 2,207,256        | 13,878,747            | 29,769,897 | 30,227,356         |
| Manitoba                         | 473,686    | 182,934   | 162,065   | 318,308         | 126,360          | 1,409,718             | 2,937,374  | 2,789,068          |
| Saskatchewan                     | 517,552    | 153,937   | 164,304   | 292,579         | 58,797           | 1,250,414             | 2,653,229  | 2,673,589          |
| Alberta                          | 1,022,133  | 95,683    | 459,211   | 104,452         | 22,533           | 1,903,901             | 3,931,817  | 3,751,970          |
| British Columbia                 | 1,010,619  | 216,056   | 579,721   | 912,680         | 906,364          | 3,966,190             | 8,661,243  | 7,520,006          |
| North West Territories and Yukon | 19,620     | 9,375     | 30,047    | 26,543          | 1                | 102,232               | 208,486    | 151,427            |
| Canada Totals                    | 10,350,965 | 2,424,658 | 3,050,273 | 12,801,861      | 7,463,740        | 39, 253, 103          | ı          | 1                  |
| Canada cumulative                |            |           |           |                 |                  |                       |            |                    |
| 1969                             | 21,263,138 | 5,392,102 | 6,075,526 | 27,780,653      | 16,403,418       | ,                     | 83,629,912 | 8                  |
| 1968 <sup>r</sup>                | 20,991,623 | 6,187,692 | 5,424,477 | 30,528,772      | 15,972,380       | 1                     | 2          | 85,015,656         |



IMPORTS Into Canada Of Selected Petroleum Products, February 1969

|                          | Motor      | Vorocono              |                              | Fuel oil            |                                    |  |
|--------------------------|------------|-----------------------|------------------------------|---------------------|------------------------------------|--|
|                          | gasoline   | stove oil             | Diesel                       | Light               | Heavy                              | - Total all<br>products                      |
|                          |            | P                     | barrels of 35 Ca             | 35 Canadian gallons |                                    |  |
| Maritimes                | 65,914     | 103,197<br>449<br>374 | 336,650<br>1,094<br>222,734  | 529,802             | 647,492<br>114,499<br>-<br>952,498 | 1,804,886<br>142,158<br>147,166<br>1,303,727 |
| Canada total             | 66,451     | 104,020               | 560,478                      | 529,806             | 1,714,489                          | 3,397,937                                    |
|                          | EXPORTS Of | Selected Petro        | Selected Petroleum Products, | February 1969       |                                    |  |
|                          | Motor      | Kerosene              |                              | Fuel oil            |                                    |  |
|                          | gasoline   | stove oil             | Diesel                       | Light               | Heavy                              | rotal all<br>products                        |
|                          |            | Ç                     | barrels of 35 Ca             | Canadian gallons    |                                    |  |
| Maritimes Quebec Ontario | 20,983     | 10,189                | 462                          | 157,360             | 1.110                              | 1,932  |
| Alberta British Columbia | 43,076     | 12,133                | 33,242                       | 14,535              | 14,630                             | 10,490<br>14,630<br>113,077                  |
| Canada total             | 64,059     | 22,322                | 37,106                       | 171,895             | 21,162                             | 418,532                                      |



ENERGY

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Catalogue No. 57-002 Vol. 4, No. 22



May 14, 1969

Sales of Natural Gas March 1969 Catalogue No. 55-002

Total sales of natural gas to Canadian consumers for March 1969 were 88,194,983 Mcf. This was an increase of 12.4% over the same month last year. Revenue from sales was \$59,762,270.

Sales to residential customers accounted for 33.6%, to industrial customers 43.6% and to commercial customers 22.8%.



Sales of Natural Gas, March, 1969

|                  | Custon                                  | ners      |              |             |
|------------------|---|-----------|--------------|-------------|
|                  | Space heating                           | Total     | Gas sold     | Revenue     |
|                  | No.                                     |           | Mcf.         | \$          |
| Residential      |   |           |              |             |
| New Brunswick    | 130                                     | 1,756     | 2,763        | 9,789       |
| Quebec           | 103,345                                 | 205,024   | 1,662,995    | 2,714,859   |
| Ontario          | 580,695                                 | 708,686   | 12,927,168   | 15,310,929  |
| Manitoba         | 105,428                                 | 107,743   | 2,259,436    | 1,879,568   |
| Saskatchewan     | 119,903                                 | 122,329   | 2,882,253    | 2,085,171   |
| Alberta          | 262,628                                 | 265, 163  | 6,817,730    | 3,445,357   |
| British Columbia | 199,263                                 | 199,244   | 3, 105, 645  | 4,760,540   |
| Canada           | 1,371,392                               | 1,609,945 | 29,657,990   | 30,206,213  |
| Industrial       |   |           |              |             |
| New Brunswick    |   | -         |              |             |
| Quebec           |   | 2,204     | 2,361,182    | 1,461,665   |
| Untario          |   | 8,341     | 15, 214, 073 |             |
| Manitoba         |   | 296       | 1, 175, 571  | 9,036,122   |
| Saskatchewan     |   | 627       |              | 371,575     |
| Alberta          |   | 523       | 4,109,860    | 1,176,888   |
| British Columbia |   | 292       | 10,734,594   | 1,962,608   |
| Canada           |   |           | 4,874,340    | 1,551,099   |
|                  |   | 12,283    | 38,469,620   | 15,559,957  |
| Firm             |   | 11,697    | 33,900,949   | 13,567,234  |
| Interruptible    |   | 586       | 4,568,671    | 1,992,723   |
| Commercial       |   |           |              |             |
| New Brunswick    |   |           | 0.000        |             |
| Quebec           | * | 66        | 2,033        | 4,163       |
| Ontario          | *****                                   | 10,427    | 717,472      | 842,571     |
| Ontario          | ******                                  | 65, 599   | 8,404,088    | 7,479,193   |
| Manitoba         | • • • • • • • • • • • • •               | 10,495    | 1,741,232    | 1, 156, 579 |
| Saskatchewan     | • • • • • • • • • • • • • •             | 16,970    | 1,570,476    | 894,223     |
| Alberta          |   | 30,317    | 5,560,281    | 2,120,141   |
| British Columbia |   | 25,941    | 2,071,791    | 1,499,230   |
| Canada           | • • • • • • • • • • • • • •             | 159,815   | 20,067,373   | 13,996,100  |
| otal sales       |   |           |              |             |
| New Brunswick    |   | 1,822     | 4,796        | 12 050      |
| Quebec           |   | 217,655   | * 1          | 13,952      |
| Ontario          |   | 782,626   | 4,741,649    | 5,019,095   |
| Manitoba         |   |           | 36,545,329   | 31,826,244  |
| Saskatchewan     |   | 118,534   | 5, 176, 239  | 3,407,722   |
| Alberta          | * | 139,926   | 8,562,589    | 4,156,282   |
| Alberta          | • • • • • • • • • • • • • •             | 296,003   | 23, 112, 605 | 7,528,106   |
| British Columbia |   | 225,477   | 10,051,776   | 7,810,869   |
| Canada           |   | 1,782,043 | 88, 194, 983 | 59,762,270  |
| otal exports     | • |           | 56,607,382   | 14,567,353  |
| otal imports     |   |           | 4,201,424    | 1,852,376   |



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May 23, 1969

## Preliminary(1) Report on Coal Production

April 1969

Preliminary data indicate that coal production for the month of April 1969 amounted to 859,422 tons, a decrease of 2.7% from the April 1968 preliminary production figure of 883,352 tons. Landed imports were 1,792,064 tons compared with 1,730,036 tons for the same period last year.

(1) Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.





## Production and Landed Imports of Coal, by Provinces

|   | 1968                                     | 1   | 1969                                       | )                                     |
|---|--|---|--|---------------------------------------|
|   | Production(2)                            | Landed imports(1)                           | Production(2)                              | Landed imports(1)                     |
|   |  | net tons of                                 | 2,000 pounds                               |                                       |
| April  Newfoundland  Nova Scotia  New Brunswick   | 277,860<br>56,698                        | 50,600                                      | 265,603<br>57,453                          | 24,234                                |
| Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 145,514<br>95,427<br>227,666<br>80,187   | 53,703<br>1,625,209<br>303<br>221<br>-<br>- | 121,778<br>101,130<br>242,677<br>70,781    | 51,721<br>1,715,757<br>271<br>81<br>- |
| Canada totals   | 883,352                                  | 1,730,036                                   | 859,422                                    | 1,792,064                             |
| Four months ended April  Newfoundland   | -  | 5,874                                       | -  | 3,508                                 |
| Nova Scotia   | 1,162,595<br>245,989                     | 172,461<br>141<br>95,310<br>1,739,500       | 1,093,989<br>233,447                       | 236,918<br>257<br>92,148<br>1,874,722 |
| Saskatchewan  | 958,816<br>338,150<br>951,808<br>299,821 | 303<br>1,013                                | 811,917<br>371,153<br>1,256,154<br>302,410 | 1,347<br>426<br>-<br>-<br>301         |
| Canada totals   | 3,957,179                                | 2,014,602                                   | 4,069,070                                  | 2,209,627                             |
| (1) Supplied by the Dominion Co   | al Board: do no                          | t necessaril                                | y agree with fi                            | 011200                                |

<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.



ENERGY

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Catalogue No. 57-002 Vol. 4, No. 24

May 30, 1969

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## 1. Ages of Electric Generating Equipment in Operation at the end of 1967

The oldest generating equipment in service in Canada as at Dec. 31, 1967 was installed in three different hydro-electric plants in the year 1900. The largest of these was Ottawa Hydro's Chaudière No. 4 plant on the Ottawa River which consists of two 3960 Kw. units. The other two are Renfrew Hydro's plant No. 2 on the Bonnechere River (960 Kw. in two units) and Ontario Hydro's Hanover plant on the Saugeen River (300 Kw. in two units).

The oldest thermal generating station is at Cowichan on Vancouver Island where B.C. Forest Products Ltd. operates a 750 Kw. unit which was installed in 1910. In contrast, the largest units being installed in Canada to-day have over 600 times this capacity.





The following tabulation shows that, of the units still in service, 621,000 Kw. of hydro capacity were installed in 1925. This peak was surpassed 18 years later in 1943 when 668,000 Kw. were installed but it was over 25 years later before the 1925 figure was exceeded by a significant amount. Large additions to hydro-electric generating capacity in 1925 included 79,000 Kw. at Bowater Power Company's Deer Lake plant in Newfoundland, 224,000 Kw. at Saguenay Power Company's Isle Maligne plant in Quebec, 86,000 Kw. in additions to Ontario Hydro's Sir Adam Beck No. 1 plant and 53,000 Kw. in British Columbia Electric Company's (now B.C. Hydro and Power Authority) Stave Falls plant.

In the four year period between 1956 and 1960 almost 6,000,000 Kw. of hydro generating capacity were put into service. This represents over 25% of the total hydro installations in service at the end of 1967. It was during this period that major additions to generating capacity were made at the Beauharnois and Bersimis plants in Quebec and the Robert H. Saunders and Sir Adam Beck plants in Ontario.

The first year that steam generating installations exceeded 100,000 Kw. was 1951. This was the year that the first units at Ontario Hydro's J. Clark Keith and Lakeview plants were put into service. The growth in use of thermal generating equipment since then has been phenomenal as evidenced by the fact that individual units installed in four plants in 1967 exceeded 100,000 Kw.

The first nuclear-fuelled steam generating station was placed in service at Rolphton (20,000 Kw.) in 1962. This was an experimental plant which was used to design the first full-scale nuclear plant (220,000 Kw.) which was constructed at Douglas Point and began generating electricity in 1967.

The tabulation which follows is based upon data contained in "Electric Power Statistics, Volume III - Inventory of Prime Mover and Electric Generating Equipment as at December 31, 1966", Catalogue No. 57-503 and in "Energy Statistics Service Bulletin," Catalogue No. 57-002, Volume 3 No. 48. The cumulative Canada totals do not represent the total installed capacity at the end of any particular year because the tabulation is not intended to account for equipment which might have gone out of service prior to December 31, 1967.



venerator Nameplate Ratings by Year Placed in Service Operating as of December 31, 1967

|               | 1                | 1       |                              |                                       |                                 |                                   |   |  |  |   |   |
|---------------|------------------|---------|------------------------------|---------------------------------------|---------------------------------|-----------------------------------|---|--|--|---|---|
|               | N.W.T.           |         | 1 1 1 1                      | 1 111                                 |                                 | 11111                             | 1 1 1 1                                   | 1 1 1 1 1                                      | 1 9 8 1 4                                    | t 1 1 1 1 1                               | 4 1 1 1<br>CO 1                           |
|               | Yukon            |         | 1 1 1 1                      | 1 1 1 1 1                             | 1 1 1 1 1 1                     | l l l j s                         | 1   | f 1 1 1 1 1                                    | 1 1 1 1                                      | 1 1 1 1 1                                 | 4 1 1 1 1                                 |
|               | B.C.             |         | 1 t t 1                      |                                       | 111 33 33 22                    | 69911                             | 5 2 4 5 8 7                               | 25 - 43 - 22 - 57                              | 12 41 1                                      | 35  | 6 6 54                                    |
|               | Alta.            |         | 1 1 1 1                      | 1 1 1 1 1                             | 118                             | 1 1 1 1                           | 1 1 2 1 1                                 | 340  | m ! ! ! !                                    | 1.15                                      | 12  |
|               | Sask.            |         | 1 1 1 1                      | 1 1 1 1                               |                                 | 1 1 1 1 1                         | 1111                                      | 11105  | 1 1 1 1 1                                    | 33  | 1 ( 1 1 1                                 |
| provinces     | Man.             |         | 1 1 1 1                      | 1 1 1 1                               | 15                              | † 1 F † 1                         | 16<br>60<br>10<br>10                      | 22 22 444                                      | 961111                                       | 1 1 1 8                                   | 1 1 1 1 1                                 |
| Total for pro | Ont.             |         | 2 2 2                        | 33 44<br>25<br>19<br>22<br>22         | 39<br>48<br>46<br>15<br>23      | 24<br>19<br>25<br>7               | 38<br>153<br>56<br>138<br>164             | 11<br>20<br>78<br>26<br>80                     | 13.2   | 54<br>22<br>22<br>41                      | 8<br>56<br>10<br>26                       |
| To            | Que.             |         | . , ~ ~                      | 1 1 1 1 0                             | 31<br>7<br>26<br>112<br>54      | 75<br>7<br>18<br>3                | 32<br>69<br>41<br>129<br>287              | 87<br>156<br>233<br>137<br>101                 | 145<br>334<br>95<br>202<br>82                | 61<br>81<br>3<br>68<br>150                | 158<br>122<br>664<br>2<br>4               |
|               | N.B.             |         | 1111                         |                                       | 1                               | , 12, 6                           | 7 1 2 1 1                                 | 4 4 31 15 23                                   | 9 1 1 1 1                                    | 97111                                     | 1117                                      |
|               | N.S.             | 3       | f f 1 1                      | 1 1 1 1 1                             | 1 1 1 1 1                       |                                   | 7 1 4 1                                   | 10 10 36                                       | 99 [ 6 ]                                     | 21 2 2 1 1 1                              | 177                                       |
|               | P.E.I.           | 1000 Kw | 1 1 1 3                      |                                       | 1111                            | 1 1 1 1 1                         | 1 4 1 7 7                                 | 1111   | 2  | 1 1 1 1 1 1                               | 1 1 1 1                                   |
|               | Nfld.            |         | 1 1 1 1                      | 1 1125                                | 1 1 .                           | 7,7,1                             |   | 1 40 1 4 7                                     | 1 1 1 1 1 3                                  | 26  | 1 4 4 6                                   |
| Canada        | Cumulative       |         | 9<br>11<br>14<br>14<br>41    | 83<br>118<br>154<br>175<br>200<br>239 | 355<br>413<br>501<br>674<br>753 | 862<br>894<br>946<br>967<br>1,013 | 1,097<br>1,347<br>1,510<br>1,803<br>2,435 | 2, 587<br>2, 804<br>3, 237<br>3, 557<br>3, 869 | 4, 294<br>4, 689<br>4, 867<br>5,073<br>5,169 | 5,310<br>5,489<br>5,579<br>5,683<br>5,912 | 6,085<br>6,299<br>6,998<br>7,088<br>7,121 |
| Can           | Total by<br>year |         | 227                          | 33<br>36<br>21<br>25<br>39            | 116<br>58<br>88<br>173<br>79    | 109<br>32<br>52<br>21<br>46       | 84<br>250<br>163<br>293<br>632            | 152<br>217<br>433<br>320<br>312                | 425<br>395<br>178<br>206<br>96               | 141<br>179<br>90<br>104<br>229            | 173<br>214<br>699<br>90<br>33             |
|               | Gas              |         | 1 1 1 1                      | 1 1 1 1 1                             | 1111                            |                                   | 1 1 1 1 1                                 | 1 1 1 1 1                                      | 1 1 1 1 1                                    | 1 1 1 1                                   | 1 1 1 1 1                                 |
| Thermal       | Internal         |         | 1111                         |                                       | 1 1 1 1 1                       | 1 1 1 1                           | 1 1 1 1 1                                 |  | 1 1 1 1 1                                    |   |   |
|               | Steam            | -       | 1 1 1 1 1                    |                                       |                                 | 2 111                             |   | 1<br>18<br>16<br>72<br>22                      | 32 - 2                                       | 19 60 14                                  | 331                                       |
| Hvdro         |                  | -       | 22 3                         | 33<br>36<br>21<br>25<br>38            | 116<br>58<br>88<br>173          | 109<br>32<br>50<br>10<br>10       | 84<br>248<br>161<br>282<br>621            | 151<br>199<br>417<br>275<br>290                | 393<br>389<br>178<br>203<br>90               | 122<br>1119<br>85<br>90<br>195            | 172<br>210<br>668<br>56<br>16             |
| Year          | in<br>service    |         | 1900<br>1902<br>1903<br>1904 |                                       | 1911<br>1912<br>1913<br>1914    | 1916<br>1917<br>1918<br>1919      | 1921<br>1922<br>1923<br>1924              | 1926 1927 1928 1930                            | 1931<br>1932<br>1933<br>1934                 | 1936<br>1937<br>1938<br>1939              | 1941<br>1942<br>1943<br>1944              |



venerator Nameplate Ratings by Year Placed in Service Operating as of December 31, 1967 - Concluded

|                     | T.                  |         |      |          |       | 7     | . ,   | 1      | 1      | ,      | ,      | -       | 1 1    |      |        | -      | ٠,-    | 7 -    | 12     | 1    | !       | 7      |        | † c    | 7 0    | 6      | 1        | 2      | 0,5        | 1                                       |
|---------------------|---------------------|---------|------|----------|-------|-------|-------|--------|--------|--------|--------|---------|--------|------|--------|--------|--------|--------|--------|------|---------|--------|--------|--------|--------|--------|----------|--------|------------|---|
|                     | N.W.T.              |         | _    |          |       |       |       |        |        |        |        |         |        |      |        |        |        |        |        |      |         |        |        |        |        |        |          |        | ٢          |   |
|                     | Yukon               |         |      | +        | 1     | 1     | -     | 1      | 1      | ~      | ,      | 1 1     | , –    | 1    | 1      |        | 17     | 1      | } {    |      | 1       | 1      | -      |        | 8 1    | 1      | -        | 3      | 33         |   |
|                     | B.C.                |         |      | 1        | 39    | 87    | 170   | 1/     | 87     | 63     | 67     | 567     | 36     | >    | 293    | 377    | 218    | 2007   | 160    |      | 14      | 167    | 30%    | 10     | 192    | 767    | 133      | 332    | 4,103      |   |
|                     | Alta.               |         | _    | ſ        | 10    | 17    | 35    | ກ      | 71     | 80     | 87     | 51      | 52     | 2    | 101    | 75     | 118    | 30     | 182    |      | 14      | 157    | 83     | 37     | 160    | 0      | 104      | 545    | 2,051      |   |
| 8                   | Sask.               |         |      | ı        | 15    | 24    | 20    | 3      | 9      | 15     | 45     | 27      | 39     |      | 18     | 63     | 96     | 152    | 90     |      | 00      | 3      | 143    | 83     | 1 0    |        | 39       | 62     | 1,078      |   |
| province            | Man.                |         |      | 18       | -     | 19    | 26    | 7      | 28     | 101    | 7      | 57      | 31     |      | 1      | 34     | 108    | 0      | 267    |      |         |        | 9      | 1      | 328    |        |          | 12     | <br>1,429  |   |
| Total for provinces | Ont.                |         |      | 23       | 1     | 140   | 23    | 101    | 304    | 491    | 257    | 679     | 456    |      | 74     | 268    | 858    | 835    | 420    |      | 613     | 428(1) | 334    | 301    | 524    |        | 240      | 525(2) | 10,269     |   |
|                     | Que.                |         |      | 1        | 26    | 95    | 137   |        | 371    | 346    | 373    | 20      | 146    |      | 276    | 478    | 684    | 1,331  | 820    |      | 115     | 195    | 284    | 352    | 006    |        | 414      | 416    | 11,607     |   |
|                     | N.B.                |         |      | 00       | 20    | 12    | 7 6   | 1      | 0.1    | e      | 37     | 2       | 12     |      | 25     | 36     | 99     | ,      | 13     |      | 20      | 43     | 61     | 1      | 45     | ;      | 111      | 126    | 813        |   |
|                     | S.S.                | W.      |      | <u> </u> | end ( | 200   | 13    | 1 .    | 45     | 20     | 20     | 22      | 20     |      | 15     | 64     | 7      | 80     | 15     |      | 07      | 9      | 1      | 1      | 104    |        | 36       | 28     | <br>695    |   |
|                     | P.E.I.              | '000 Kw |      |          | 2     | 1     | . =   |        | 8      | _      | f      | 1       | ı      |      | 1      | 7      | ŧ      | 1      | 12     |      | 1       | 1      | 22     | 1      | ě      |        | J        | 1      | <br>57     |   |
|                     | Nfld.               |         |      | i i      | . "   |       | 1 .   | C      | 71     | ا د    | 23     | 6       | 2      |      | m      | 24     | 25     | 22     | 13     | L    | 0 0     | 000    | 103    | 7      | 47     | 16     | 07 0     | C67    | <br>194    |   |
| Canada              | Cumulative<br>total |         | 1717 | 7,1/1    | 7 205 | 0,090 | 8,907 | 0 07.1 | 10,001 | 10,907 | 11,803 | 13, 195 | 14,020 |      | 14,825 | 16,183 | 18,170 | 20,929 | 22,933 | 000  | 27, 130 | 060,47 | 747 07 | 27,030 | 29,306 | 30 701 | 30,701   | 106,70 |            |   |
| Car                 | Total by<br>year    |         | 20   | 117      | /17   | 798   | 774   | 037.   | 1 066  | 1,000  | 3 200  | 1,392   | 825    |      | 805    | 1,358  | 1,987  | 2,759  | 2,004  | 270  | 1 100   | 1 27.7 | 1, 544 |        | 2,276  | 1 305  | 2,232    | 7,200  | <br>32,987 |   |
|                     | Gas<br>turbine      |         | 1    | 1 1      |       | ı     | 1     | ı      | - (    |        | 8      | ю       | 1      |      | 8      | 200    | 077    | 991    | 91     | 10   | 2 1     | 10     | 77     | 1      | 79     | 65     | 210      | 047    | 794        | apacity.                                |
| Thermal             | Internal combustion | -       | 1    | α        | 0 00  |       | 150   | L.     | ) [    | 151    | CT     | 10      | 19     | 2.1  | 7.7    | i t    | 14     | 67     | 31     | 1.5  | 3.5     | 20     | 3 6    | 07     | 32     | 16     | 3.0      | · ·    | 424        | 20,000 Kw. nuclear generating capacity. |
|                     | Steam               | -       | 21   | 54       | 79    | 85    | 50    | 239    | 325    | 687    | 200    | 125     | 671    | 150  | 216    | 273    | 7/7    | 400    | /18    | 576  | 735(1)  | 507    | 200    | 2000   | /39    | 573    | 1,081(2) |        | 8,413      | W. nuclear                              |
| Hydro               |                     |         | 29   | 55       | 338   | 348   | 719   | 069    | 730    | 677    | 1 280  | 681     | 700    | 615  | 1 086  | 1 591  | 2,232  | 1,120  | 1,104  | 267  | 323     | 1967   | 268    | 1 7.36 | 1,420  | 714    | 926      |        | 23,356     |   |
| Year                | service             |         | 1946 | 1947     | 1948  | 1949  | 1950  | 1951   | 1952   | 1953   |        |         | •      | 1956 |        |        |        | 1060   |        | 1961 | 1962    | 1963   | 1967   |        |        | 1966   | 1967     |        | Total      | (1) Includes                            |



### 2. Coal and Coke Statistics, March 1969, Cat. No. 45-002

Coal production for the month of March 1969 amounted to 1,029,882 tons an increase of 2.8% from the March 1968 production of 1,002,267 tons, while landed imports were 86,871 tons compared with 85,987 tons for the month of March 1968. Consumption by industrial consumers amounted to 1,696,956 tons of coal and 555,024 of coke, an increase of 136,339 tons of coal and an increase of 12,204 tons of coke from last year.

Industrial consumers' stocks of coal and coke decreased to 3,595,501 tons from 3,986,264 tons in March 1968.

Coke production during the month of March 1969 increased to 487,313 tons from 482,490 tons in March 1968, while coke used in blast furnaces decreased to 388,677 tons from 391,222 tons during the same period.

Coal and Coke Statistics March 1969

|                          |            |                |   |  |  |  | ,  |
|--------------------------|------------|----------------|---|--|--|--|--|
|                          |            |                | Coal                                    |  |  | Co   | oke  |
|                          | Production | Landed imports | Shipments by coal operators (producers) | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                          |            |                |   | tons   |  |  |  |
| ewfoundland              | _          | -              | -                                       | -  | 40   | -  | •  |
| rince Edward Island      | -          | -              | •                                       | 49   | _  | -  | dis  |
| ova Scotia               | 265,257    | 43,703         | 248,894                                 | 78,651                                       | 22,223                                       | 46,726                                       | ~  |
| ew Brunswick             | 50,589     | No.            | 50,799                                  | 50,739                                       | 25,628                                       | -  | -  |
| uebec                    | **         | 9,663          | -                                       | 120,767                                      | 183,401                                      | 61,538                                       | 58,259                                       |
| ntario                   | dra        | 32,192         | -                                       | 1,015,233                                    | 2,856,153                                    | 419,337                                      | 112,392                                      |
| anitoba                  | -          | 789            | -                                       | 37,762                                       | 92,479                                       | 136  | 256  |
| iskatchewan              | 207,692    | 223            | 208,960                                 | 125,485                                      | 185,065                                      | -  |  |
| berta                    | 410,993    | ***            | 395,533                                 | 257,372                                      | 18,330                                       | 382  | 128  |
| itish Columbia and Yukon | 95,351     | 301            | 64,828                                  | 10,947                                       | 8,046  | 26,905                                       | 33,141                                       |
| Total Canada 1969        | 1,029,882  | 86,871         | 969,014                                 | 1,696,956                                    | 3,391,325                                    | 555,024                                      | 204,176                                      |
| Total Canada 1968        | 1,002,267  | 85,987         | 913,167                                 | 1,560,617                                    | 3,818,677                                    | 542,820                                      | 167,587                                      |



## 3. Oil Pipe Line Transport, December 1968, Cat. No. 55-001

Oil movements by Canadian oil pipe lines increased by 11.4% in December 1968 with receipts of 58,117,739 barrels compared with 52,154,006 in the preceding year; import receipts increased to 12,241,850 barrels from 11,152,753.

Cumulative domestic receipts by Canadian oil pipe lines for the year 1968 increased by 8.0% over the previous year with domestic receipts amounting to 493,750,882 barrels compared with 457,206,147; import receipts by pipe lines amounted to 134,052,318 barrels compared with 116,489,601 in 1967. Total oil pipe line export deliveries rose to 172,817,490 barrels in 1968 from 154,397,355 in 1967.

Total traffic for December amounted to 25,758 million barrel miles with an average length of haul of 456.2 miles. For the year 1968 total traffic amounted to 282,529 million barrel miles with an average length of haul of 454.5 miles.

Oil Pipe Line Transport, December 1968

| Supply and           | Crude oil                | Refined petroleum products | December Dec             | Total<br>December        | Cumulative Totals          |                            |
|----------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------------|----------------------------|
| Disposition          | equivalent               | and<br>L.P.G.'S.           | 1968                     | 1967                     | 1968                       | 1967                       |
|                      |                          | t                          | parrels 35 Ca            | anadian gallo            | ons                        |                            |
| Net receipts         |                          |                            |                          |                          |                            |                            |
| Domestic Imports     | 37,187,606<br>12,188,099 | 8,688,283<br>53,751        | 45,875,889<br>12,241,850 | 41,001,253 11,152,753    | 493,750,882                | 457,206,147<br>116,489,601 |
| Total net receipts   | 49,375,705               | 8,742,034                  | 58,117,739               | 52,154,006               | 627,803,200                | 573,695,748                |
| Net deliveries       |                          |                            |                          |                          |                            |                            |
| Domestic Exports     | 33,208,062<br>14,609,155 | 8,159,874<br>478,744       | 41,367,936<br>15,087,899 | 37,632,162<br>13,665,231 | 448,850,915<br>172,817,490 | 414,692,763<br>154,397,355 |
| Total net deliveries | 47,817,217               | 8,638,618                  | 56,455,835               | 51, 297, 393             | 621,668,405                | 569,090,118                |
| Inventory change     | 1,479,200                | 93,577                     | 1,572,777                | 725,673                  | 5,492,336                  | 3,750,831                  |



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June 2, 1969

## Net Cash Expenditures of the Oil and Gas-Exploration, Development, and Production Industry 1968

Net Cash Expenditures of the Oil and Gas-Exploration, Development and Production Industry 1968.

Expenditures by the oil and gas industry during 1968 for exploration, development and production purposes amounted to \$1,272,845,000 including interest payments of \$54,378,000. The 1967 expenditures of \$1,178,397,000 did not include interest payments. Western Canada accounted for 92.9% of the expenditures, with Alberta accounting for 73.4% of the total, followed by Saskatchewan (10.9%) and British Columbia (7.9%).

Geological and Geophysical expenditures, although showing little change in the Canadian total, increased from \$8,068,000 in 1967 to \$19,095,000 in the Yukon, Northwest Territories and Arctic Islands. Land and lease acquisition and retention for Canada increased 8.3% to \$237,377,000 of which \$57,454,000 was non-producing lease rentals.

Total expenditures for Offshore and Hudson Bay increased 30.2%, while the Yukon, Northwest Territories and Arctic Islands increased 129.0%.





| 1961         |
|--------------|
| ŧ            |
| Industry     |
| Petroleum    |
| the          |
| Jo           |
| Expenditures |
| Cash         |
| Net          |
| 1.           |
| BLE          |

|  | Off Shore<br>and<br>Hudson Bay | Maritimes<br>and<br>Quebec | Ontario           | Manitoba           | Saskat-<br>chewan        | Alberta                    | British<br>Columbia   | Yukon<br>N.W.T. and<br>Arctic | Canada                      |
|--|--------------------------------|----------------------------|-------------------|--------------------|--------------------------|----------------------------|-----------------------|-------------------------------|-----------------------------|
|  |                                |                            |                   | thous              | thousands of d           | dollars                    |                       |                               |                             |
| 1. Geological and Geophysical Expenditures   |                                |                            |                   |                    |                          |                            |                       |                               |                             |
| <ul><li>(a) Seismic Crew expenditures</li><li>(b) All other geological and</li></ul>   | 4,602                          | 783                        | 216               | 270                | 8,459                    | 65,192                     | 13,256                | 8,068                         | 100,846                     |
| geophysical expenditures   | 2,667                          | 382                        | 185               | 216                | 3,462                    | 34,542                     | 5,170                 | 2,813                         | 49,437                      |
| 2. Land and lease acquisition and retention  | 1,059                          | 445                        | 1,142             | 651                | 19,109                   | 167,032                    | 24,929                | 4.788                         | 219,155                     |
| 3. Exploratory drilling  | 7,354                          | 164                        | 1,425             | 587                | 13,728                   | 77,433                     | 13,951                | 7.407                         | 122,029                     |
| 4. Development drilling  | ı                              | 11                         | 289               | 827                | 14,560                   | 76,880                     | 14,093                | 1                             | 106,660                     |
|  |                                |                            |                   |                    |                          |                            |                       |                               |                             |
| 5. Other capital expenditures  |                                |                            |                   |                    |                          |                            |                       |                               |                             |
| <ul><li>(a) Tangible well and lease equip</li><li>(b) Pipelines and related facilities</li><li>(c) Secondary recovery and pressure</li></ul> | 19                             | 1 1                        | 328               | L447<br>-          | 8,390                    | 46,058                     | 7,948                 |                               | 63,191                      |
| maintenance projects   | ı                              | 1                          | 125               | 76                 | 3 864                    | 10 97.7                    | 000                   |                               | 1                           |
| (d) Natural gas processing plants (e) All other capital expenditures   | 207                            | 1 1                        | 236               | 39                 | 1,117                    | 88,044                     | 17,763                | 1 1 00                        | 16,722                      |
| 6. Field, well and pipeline operations(1) $$   |                                | 56                         | 2,083             | 2,566              | 35,779                   | 80,040                     | 2,55,7                | 376                           | 128 5/8                     |
| 7. Natural gas plant operations  | 1                              | ı                          | 102               | 1                  | 1,101                    | 47,483                     | 3,441                 | )                             | 52 127                      |
|  |                                |                            |                   |                    |                          |                            |                       |                               | 72,121                      |
| 8. Other operating expenses  |                                |                            |                   |                    |                          |                            |                       |                               |                             |
| (a) Taxes (excluding income taxes) (b) Royalties   | 272                            | . 2                        | 164<br>503<br>161 | 220<br>1,718<br>79 | 2,895<br>27,845<br>3,947 | 9,622<br>107,427<br>21,419 | 452<br>9,607<br>2,676 | 100                           | 13,353<br>147,205<br>29.206 |
| Total  | 16,180                         | 1,863                      | 6,984             | 7,714              | 146,113                  | 850,786                    | 124,381               | 24.376                        | 1,178,397                   |
| (1) May include some producing lease and surface rentals   | face rentals                   |                            |                   |                    |                          |                            |                       |                               | 1000011                     |



TABLE 2. Net Cash Expenditures of the Petroleum Industry - (Preliminary) 1968

| Canada                         |                       |     | 87,000 | 62,609               |   | 57,454  | 134.790                 | 97,520                  |                               | 61,689<br>13,506   | 18,982<br>91,662<br>23,895 | 129,925                                | 55,568                          |                                 | 14,805                             | 157,254  | 54,3/8<br>31,885 | 1,272,845 |
|--------------------------------|-----------------------|-----|--------|----------------------|---|---|-------------------------|-------------------------|-------------------------------|--|----------------------------|--|---------------------------------|---------------------------------|------------------------------------|----------|------------------|-----------|
| Yukon<br>N.W.T. and<br>Arctic  |                       |     | 19,095 | 7,523                |   | 1,770<br>11,048<br>63                         | 8,363                   | 2,785                   |                               | 202  | 3,158                      | 341                                    | ı                               |                                 | 16                                 | 40       | 1,014            | 55,818    |
| British<br>Columbia            |                       |     | 6,965  | 5,546                |   | 7,308   | 14,681                  | 10,762                  |                               | 5,832  | 2,066 2,465                | 6,491                                  | 3,367                           |                                 | 547                                | 10,191   | 1,729            | 100,517   |
| Alberta                        | of dollars            |     | 44,683 | 40,986               |   | 39,251<br>121,392<br>10,252                   | 86,517                  | 71,588                  |                               | 47,614   | 10,860<br>87,041<br>19,342 | 87,596                                 | 49,644                          |                                 | 10,735                             | 119,202  | 25,387           | 934,005   |
| Saskat-<br>chewan              | thousands of do       |     | 7,412  | 3,417                |   | 6,087<br>10,592<br>3,845                      | 13,025                  | 11,117                  |                               | 7,249  | 5,152<br>1,963<br>877      | 31,869                                 | 2,157                           |                                 | 3,014                              | 7 27,46/ | 3,014            | 139,249   |
| Manitoba                       | thous                 |     | 149    | 310                  |   | 431<br>509<br>276                             | 576                     | 485                     |                               | 322  | 158                        | 2,185                                  | h                               |                                 | 269                                | 1,824    | 95               | 8,425     |
| Ontario                        |                       |     | 745    | 1,302                |   | 670<br>368<br>516                             | 2,114                   | 628                     |                               | 409  | 370<br>193<br>174          | 1,396                                  | 389                             |                                 | 218                                | C7C      | 279              | 10,524    |
| Maritimes<br>and<br>Quebec     |                       | 1   | 1,045  | 421                  |   | 392<br>189<br>2                               | 568                     | 155                     |                               | 59   | 257                        | 747                                    | 11                              |                                 | דט ח                               | 7        | 84               | 3,244     |
| Off Shore<br>and<br>Hudson Bay |                       |     | 6,306  | 3,104                |   | 1,545   | 8,946                   | ı                       |                               | ٧ ,  | 27                         | ı                                      | £                               |                                 | r-d                                |          | 283              | 21,063    |
|                                | Conjusting Combactory | (8) | Al     | geophysical expenses | 2. Land and Lease acquisition and retention | (a) Non-producing lease rentals (b) All other | 3. Exploratory drilling | 4. Development drilling | 5. Other capital expenditures | <ul><li>(a) Tangible well and lease equipment</li><li>(b) Pipelines and related facilities</li><li>(c) Secondary recovery and pressure</li></ul> | maintenance projects       | 6. Field, well and pipeline operations | 7. Natural gas plant operations | 8. Other operating expenditures | (a) Taxes (excluding income taxes) |          | (d) Other        | Total     |



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June 3, 1969

### Retail Gasoline Statistics by Metropolitan Area

First Quarter 1969

Retail sales of gasoline in Canada's major metropolitan areas for the first quarter of 1969 were 374.9 million gallons. This amount was dispensed through 7,255 outlets.



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D.B.S. Regional Offices — St. Johns • Halifax • Montreal • Toronto • Winnipeg • Edmonton • Vancouver



|                                   |           | Marie Marie Wall |                      | Metro    | ppolitan A | reas    |          |           |         |
|-----------------------------------|-----------|------------------|----------------------|----------|------------|---------|----------|-----------|---------|
|                                   | Montreal* | Ottawa<br>Hull   | Toronto*<br>Hamilton | Winnipeg | Regina     | Calgary | Edmonton | Vancouver | Total   |
| Outlets                           |           |                  |                      |          |            |         |          |           |         |
| Number of branded outlets         | 2,204     | 409              | 2,277                | 423      | 133        | 366     | 414      | 928       | 7, 154  |
| Number of other outlets           | 84        | -                | 17                   | -        | -          | -       | -        | -         | 101     |
| Totals                            | 2,288     | 409              | 2, 294               | 423      | 133        | 366     | 414      | 928       | 7, 255  |
| <u>Gallonage</u> ('000 gallons)   |           |                  |                      |          |            |         |          |           |         |
| Dispensed through branded outlets | 106,173   | 20,559           | 136,475              | 19,801   | 7,709      | 17,716  | 18,499   | 45,095    | 372,027 |
| Dispensed through other outlets   | 1,984     | -                | 887                  | _        | -          | -       | -        | -         | 2,871   |
| Note: Due to royleione the surker | 108, 157  | 20,559           | 137, 362             | 19,801   | 7,709      | 17, 716 | 18,499   | 45,095    | 374,898 |

Note: Due to revisions, the number of service stations of each area does not compare exactly with the previous quarter.

\* In Montreal and Toronto-Hamilton branded and other outlets are shown separately.

Using estimated vehicle registration statistics, passenger cars per service station in the eight metropolitan areas averaged 391. The Toronto-Hamilton area and Ottawa-Hull area each has an average of 453 passenger cars per station followed by Vancouver with 408, Winnipeg 401, Regina 365, Calgary 361, Edmonton 338 and Montreal 324.

Population per car in these metropolitan areas is estimated at 3.0. This compares fovourably with the Canada figure of 3.4. The city of Vancouver has a population per car of 2.3, followed by Calgary, Toronto-Hamilton, Ottawa-Hull, Regina, Edmonton, Winnipeg and Montreal with the last area registering a ratio of 3.7 persons per car.

During the first quarter of 1969, gasoline sold through retail pump outlets in the metropolitan areas averaged 116 gallons per vehicle. Regina shows an average of 132 gallons; Hongreal 129; Toronto-Hamilton 118; Calgary 110; Edmonton 107; Vancouver 103 and Ottawa-Hull 100.

With the exception of Montreal, Ottawa-Hull and Toronto-Hamilton, Metropolitan areas are identical with census metropolitan areas. Estimates of population and number of vehicles for the eight metropolitan areas are as follows:

|                 | Population*<br>lst June 1968 | Passenger<br>cars(1, 2)* | Commercial vehicles(1)* |
|-----------------|------------------------------|--------------------------|-------------------------|
| ontreal         | 2,744,000                    | 740,700                  | 99,700                  |
| ttawa-Hull      | 527,000                      | 185,300                  | 19,900                  |
| Oronto-Hamilton | 2,866,000                    | 1,039,700                | 123,800                 |
| innipeg         | 523,000                      | 169,500                  | 23,300                  |
| egina           | 137,000                      | 48,600                   | 9,600                   |
| algary          | 361,000                      | 132,200                  | 29,000                  |
| dmonton         | 425,000                      | 140,000                  | 33,100                  |
| ancouver        | 953,000                      | 378,500                  | 50,100                  |
| Canada, total   | 20,744,000                   | 6,051,800                | 1,788,500               |

<sup>(1) 1968</sup> registrations.

<sup>(2)</sup> Taxis included.
\* Estimates.



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June 4, 1969

### Preliminary Electric Energy Statistics

April 1969

Net generation of electric energy increased 9.6% to 15,406,360 thousand Kwh. in April 1969 from 14,053,868 thousand Kwh. in April 1968. All provinces experienced significant increases in generation. Hydro generation increased 5.4% while thermal generation was up 28%.

Imports and exports were up 25% and 62% respectively while secondary energy consumption was virtually unchanged. Firm energy consumption was up 9.6% over April 1968.

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# Preliminary Electric Energy Statistics (thousand kwh)

|                                 |            | April                   |              |
|---------------------------------|------------|-------------------------|--------------|
|                                 | 1967       | 1968                    | 1969         |
|                                 |            |                         |              |
| Net generation - Hydro          | 10,782,649 | 11,476,836              | 12,097,056   |
| Thermal                         | 2,581,732  | 2,577,032               | 3,309,304    |
| Total net generation            | 13,364,381 | 14,053,868              | 15,406,360   |
| Energy imported from U.S.A      | 343,842    | 259,810                 | 324,650      |
| Energy exported to U.S.A.:      |            |                         |              |
| Firm                            | 58,066     | 68, 156                 | 75,052       |
| Secondary                       | 242,885    | 288, 799                | 368,762      |
| Total exported to U.S.A         | 300,951    | 356,955                 | 443,814      |
| Net energy used in Canada       | 13,407,272 | 13,956,723              | 15, 287, 196 |
| Secondary energy used in Canada | 139,062    | 147, 255r               | 147,336      |
| Firm energy used in Canada      | 13,268,210 | 13,809,468 <sup>r</sup> | 15, 139, 860 |
| r Revised figures.              |            |                         |              |



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June 9, 1969

## Oil Pipe Line Transport, January 1969, Cat. No. 55-001

Oil movements by Canadian oil pipe lines increased by 9.0% in January 1969 with receipts of 57,878,422 barrels compared with 53,075,003 in the preceding year; import receipts increased to 12,857,228 barrels from 12,070,740.

Total traffic amounted to 26,112 million barrel miles with an average length of haul of 454.5 miles.



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Oil Pipe Line Transport, January 1969

| Supply<br>and<br>Disposition | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>January<br>1969 | Total<br>January<br>1968 | % of<br>increase<br>or<br>decrease<br>over 1968 |
|------------------------------|--------------------------------|--|--------------------------|--------------------------|---|
|                              |                                | barrels                                  | 35 Canadian              | gallons                  |   |
| Net receipts                 |                                |  |                          |                          |   |
| Domestic Imports             | 36,007,143<br>12,814,897       | 9,014,051<br>42,331                      | 45,021,194<br>12,857,228 | 41,005,163<br>12,070,740 | 9.8<br>6.5                                      |
| Total net receipts           | 48,822,040                     | 9,056,382                                | 57,878,422               | 53,075,903               | 9.0   |
| Net deliveries               |                                |  |                          |                          |   |
| Domestic Exports             | 33,302,323<br>15,027,682       | 8,566,440<br>551,379                     | 41,868,763<br>15,579,061 | 39,457,246<br>14,025,495 | 6.1   |
| Total net deliveries         | 48,330,005                     | 9,117,819                                | 57,447,824               | 53,482,741               | 7.4   |
|                              |                                |  |                          |                          |   |
| Inventory change             | 430,028                        | - 73,935                                 | 356,093                  | -608,844                 |   |



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June 13, 1969

Annual Electric Power Survey of Capability and Load: Catalogue No. 57-204

#### Preliminary Data

Total net generating capability in 1968 for firms which generate over 10 million kwh. per year increased 3,053,000 kw. or 9.73 per cent to 34,423,000 kw. This is the largest annual net increase in generating capability in Canada's history. The forecast years 1968-73 indicate an anticipated growth of 17,351,000 kw. to 51,774,000 kw., a compound growth rate of 8.51 per cent as compared with the 1958-1968 growth rate of 6.33 per cent. Thermal capability is expected to grow at an annual rate of 12.93 per cent in the forecast period compared with an actual annual rate of 14.23 per cent in the previous ten year period, while hydro-electric capability is expected to increase at 6.38 per cent compared with 4.26 per cent in the previous ten years. Seventy-five per cent of the thermal capability growth will be in fossil-fuelled steam plants, twenty-four per cent in nuclear-fuelled steam plants and one per cent in gas turbine plants.

The first nuclear capability occurred in 1967. The nuclear capability does not include the 20,000 kw. plant at Rolphton, Ontario, which is an experimental plant and therefore is not considered part of the capability. However, energy generated in this plant has been fed into the system and is included in Table 15. It is expected that by 1973 the nuclear capability will reach 2,250,000 kw. or 4.34 per cent of the total Canadian generating capability.

In the previous forecast it was estimated that the net generating capability in 1968 would be 34,250,000 kw. The actual net generating capability exceeded this estimate by 173,000 kw.

The largest absolute growths in generating capability for the forecast period are indicated for: Ontario 6,516,000 kw.; Newfoundland 3,502,000 kw.; Quebec 3,078,000 kw. and British Columbia 1,326,000 kw. Of the increased generating capability in Ontario, 4,024,000 kw. will be in fossilfuelled plants, (steam, internal combustion and gas turbine) while nuclear-fuelled plants will account for 1,800,000 kw. of the increase. Newfoundland plans to increase its capability by adding 3,052,000 kw. hydro and 450,000 kw. in fossil-fuelled steam plants. The Quebec forecast is for an increase of 2,847,000 kw. in hydro capability and 250,000 kw. in nuclear-fuelled thermal capability, while British Columbia estimates are for increases of 1,294,000 kw. and 32,000 kw. in hydro and thermal capability respectively.

In the period from 1958 to 1968 the compound growth rate of firm power peak load in Canada was 6.77 per cent. This growth rate is expected to increase to 7.34 per cent during the period 1968 to 1973. During the forecast period the indicated reserve is expected to increase from 4,128,000 kw. in 1968 to 8,708,000 kw. in 1973. The indicated reserve, stated as a percentage of firm power peak load, amounted to 13.6 per cent in 1968 and it is forecast that it will be 20.2 per cent in 1973.

It should be noted that the firm power peak load is the calendar year peak. Some companies have winter peak loads occurring in January and must provide capability to meet these peaks. For these companies the peak load tends to be understated and the reserve is overstated by the difference between the December peak load and the peak load for January of the following year.

Firm energy requirements increased 7.00 per cent from 162,629 million kwh. in 1967 to 174,017 million kwh. in 1968 compared with a compound growth rate of 7.15 per cent in the previous ten year period and a forecast growth rate of 7.20 per cent for the period 1968-1973. The increase of 11,388

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million kwh. was the result of an increase in net generation of 10,587 million kwh., an increase in net imports of 201 million kwh. and a decrease of 600 million kwh. of secondary energy delivered within Canada.

The Annual Electric Power Survey of Capability and Load covers all producers of electric energy in Canada which generate or will generate 10 million kwh. or more per annum during the forecast period. There are approximately 150 responding firms in the group, about half of which are utilities and half industrial establishments. The combined group accounts for 99.5 per cent of all generation and all the imports and exports. The utilities group contributes approximately 80 per cent of the generation to the Canada total.

The survey is carried out in co-operation with the Canadian Electrical Association. Area representatives of the Association collect and edit the returns, which are forwarded to the Dominion Bureau of Statistics for final revision, editing and compilation. On May 28, 1969, a meeting of the Surveys Subcommittee was held to discuss the final compilation prior to the publication of the report. The assistance received from the Canadian Electrical Association and its members has been invaluable in all phases of the preparation of this report.

Complete details of the survey will be found in the publication Electric Power Statistics, Volume 1, Annual Electric Power Survey of Capability and Load, Catalogue No. 57-204 which will be published in August.



TABLE 1. Capability and Firm Power Peak Load in Canada

|          | Capability and peak load                                       |        |            | Actual       | ual                 |                        |              |           |        | Forecast   |        |            |
|----------|--|--------|------------|--------------|---------------------|------------------------|--------------|-----------|--------|--|--------|------------|
|          |  | 1958   | 1964       | 1965         | 1966                | 1967                   | 1968         | 1969      | 1970   | 1971   | 1972   | 1973       |
|          |  |        |            |              |                     | thousands              | Jo           | kilowatts |        |  |        |            |
|          | Capability:  |        |            |              |                     |                        |              |           |        |  |        |            |
|          | Net generating capability:                                     |        |            |              |                     |                        |              |           |        |  |        |            |
| 1. 2. 3. | Hydro-electric   | 15,912 | 19,493     | 20,779 6,354 | 21,459 6,634        | 22,393<br>7,798<br>167 | 24,161 8,877 | 26,397    | 27,166 | 28,806   | 31,178 | 32,911     |
| 4.       | Internal combustion )  | 2,716  | 255<br>384 | 243          | 257                 | 264                    | 310          | 305       | 319    | 318<br>932   | 324    | 331<br>954 |
| 9        | Total net generating capability                                | 18,628 | 25,554     | 27,836       | 28,933              | 31,370                 | 34,423       | 38,314    | 40,643 | 43,940   | 47,890 | 51,774     |
|          | Receipts of firm power from:                                   |        |            |              |                     |                        |              |           |        | No. of Contrast of |        |            |
| 7 . 00   | Other provinces  | : 1    |            | : 1          | 100                 | 180                    | 110          | : '       | .06    | . 1  | . 1    | •<br>• 1   |
| 6        | Total receipts   | •      | 2          |              | 100                 | 180                    | 110          | 0         | 06     |  | 1      | 0          |
|          | Deliveries of firm power to:                                   |        |            |              |                     |                        |              |           |        |  |        |            |
| 10.      | Other provinces  | 152    | 127        | 68           | 87                  |                        | 105          | 105       | 119    | 107  | 107    | 106        |
| 12.      | Total deliveries   | 152    | 127        | 89           | 87                  | 98                     | 105          | 105       | 119    | 107  | 107    | 106        |
| 13.      | Total net capability (6 + 9 - 12)                              | 18,476 | 25,429     | 27,747       | 28,946              | 31,455                 | 34,428       | 38,209    | 40,614 | 43,833   | 47,783 | 51,668     |
|          | Peak loads:  |        |            |              |                     |                        |              |           |        |  |        |            |
| 14.      | Firm power peak load within province                           | 15,568 | 22,503     | 24,167       | 25,921              | 27,812 <sup>r</sup>    | 30,151       | 32,923    | 35,256 | 37,775   | 40,333 | 42,960     |
| 16.      | Total indicated firm power peak load within province (14 + 15) | 15,568 | 22,516     | 24,167r      | 25,92lr             | 27,812 <sup>r</sup>    | 30,300       | 32,923    | 35,256 | 37,775   | 40,333 | 42,960     |
| 17.      | Firm power peak load on province (12 + 16)                     | 15,720 | 22,643     | 24,256r      | 26,008 <sup>r</sup> | 27,907 <sup>E</sup>    | 30,405       | 33,028    | 35,375 | 37,882   | 077,07 | 43,066     |
|          | Indicated reserve:   |        |            |              |                     |                        |              |           |        |  |        |            |
| 18.      | Indicated reserve (13 - 16)                                    | 2,908  | 2,913      | 3,580r       | 3,025r              | 3,643r                 | 4,128        | 5,286     | 5,358  | 6,058  | 7,450  | 8,708      |
|          |  |        |            |              |                     |                        |              |           |        |  |        |            |



TABLE 2. Capability and Firm Power Peak Load in Newfoundland

|        |  |      |      | Actual | 2.1      |              |      |           |       | į.       |       |       |
|--------|--|------|------|--------|----------|--------------|------|-----------|-------|----------|-------|-------|
|        | Capability and peak load                                       |      |      | and a  | 7.7      |              |      |           |       | rorecast |       |       |
|        |  | 1958 | 1964 | 1965   | 1966     | 1967         | 1968 | 1969      | 1970  | 1971     | 1972  | 1973  |
|        |  |      |      |        |          | thousands of |      | kilowatts |       |          |       |       |
| OI.    | Capability:  |      |      |        |          |              | -    |           |       |          |       |       |
|        | Net generating capability:                                     |      |      |        |          |              |      |           |       |          |       |       |
| 1.2.3. | Hydro-electric   | 243  | 442  | 977    | 454 52 - | 069          | 30   | 30        | 960   | 330      | 2,340 | 3,860 |
| 4.     | Internal combustion ) Gas turbine )                            | 28   | F-1  | FT     | 13       | 13           | 20   | 20        | 20    | 20       | 20    | 20    |
| 9      | Total net generating capability                                | 271  | 867  | 502    | 244      | 765          | 887  | 796       | 1,189 | 1,339    | 2,869 | 4,389 |
|        | Receipts of firm power from:                                   |      |      |        |          |              |      |           |       |          |       |       |
| ~ 00   | Other provinces  | i t  | 1 1  | 1 1    | 1 1      | F 1          | 1 1  | 1 1       | 1 1   | \$ E     | 1 1   | ê s   |
| 6      | Total receipts   | ı    | ,    | ı      | ı        | đ            | 1    | £         | 1     | ā        | f     | ı     |
|        | Deliveries of firm power to:                                   |      |      |        |          | 200          |      |           |       |          |       |       |
| 10.    | Other provinces  | ∞ .  | ∞ ,  | 7      | 10       | 12           | 12   | 12        | 12    | 12       | 936   | 1,870 |
| 12.    | Total deliveries   | 00   | ∞    | 7      | C        | 1 2          | 12   | 12        | 12    | 12       | 936   | 1,870 |
| 13.    | Total net capability (6 + 9 - 12)                              | 263  | 065  | 567    | 534      | 753          | 875  | 952       | 1,177 | 1,327    | 1,933 | 2,519 |
| MI     | Peak loads:  |      |      |        |          |              |      |           |       |          |       |       |
| 14.    | Firm power peak load within province                           | 231  | 376  | 422    | 450      | 571          | 779  | 788       | 827   | 1,049    | 1,165 | 1,410 |
| 16.    | Total indicated firm power peak load within province (14 + 15) | 231  | 389  | 422    | 450      | 571          | 644  | 788       | 827   | 1,049    | 1,165 | 1,410 |
| 17.    | Firm power peak load on province (12 + 16)                     | 239  | 397  | 429    | 097      | 583          | 959  | 800       | 839   | 1,061    | 2,101 | 3,280 |
|        | Indicated reserve:   |      |      |        |          |              |      |           |       |          |       |       |
| 18.    | Indicated reserve (13 - 16)                                    | 32   | 101  | 73     | 84       | 182          | 231  | 164       | 350   | 278      | 768   | 1,109 |
|        |  |      |      |        |          |              |      |           |       |          |       |       |



TABLE 3. Capability and Firm Power Peak Load in Prince Edward Island

| State   Compatitive and peak load   1958   1944   1945   1946   1950   1950   1950   1951   1952   1953   1954   1954   1954   1955     |      |  |  |        | Actual | al   |         |             |       |      | Forecast   |      |      |
|--|------|--|--|--------|--------|------|---------|-------------|-------|------|--|------|------|
| 1938   1946   1947   1947   1947   1948   1948   1948   1948   1949   1947   1948      |      | Capability and peak load                                       |  |        |        |      |         |             |       |      |  |      |      |
| Steam - Conventions   Steam - Conventions   Steam - Steam - Steam - Steam - Conventions   Steam - Convention   |      |  | 1958   | 1964   | 1965   | 1966 | 1961    | 1968        | 1969  | 1970 | 1971   | 1972 | 1973 |
| New Emercation companitors   New Emercation companitors     New Emercation companitors   New Emercation companitors     Steam - Conventional   New Emercation companitors     New Emercation com   |      |  |  |        |        |      | thousar | nds of kilo | watts |      |  |      |      |
| Note severeting capability:   26   31   31   31   31   67   67   67   68   68   68   68   68   |      | Capability:  |  |        |        |      |         |             |       |      |  |      |      |
| Signification   Convertion   Signification   Signification   Signification   Convertion   Signification   Signification   Signification   Signification   Convertion   Signification   Signi   |      | Net generating capability:                                     |  |        |        |      |         |             |       |      |  |      |      |
| Threerend combustion   1   | 3.5. | *                        | 1  | 51     | 51     | 51   | 51      | 67          | - 67  | - 67 | - 67   | 86   | 98   |
| Total net generating capability   26 58 58 58 74 74 77 77 96   | नंग  | oustion )  | 26   | 1 1    | 1 1    | [5]  | ( )     |             | , ~ , | . 10 | 10   | 10   | 10   |
| Other provinces   Other prov   | . 9  | :  | 26   | ω<br>ω | 58     | 58   | 58      | 74          | 74    | 77   | 77   | 96   | 96   |
| Other provinces Total receipts  Deliveries of firm power to:  Other provinces  Other provinces  Total deliveries  Total  |      | Receipts of firm power from:                                   |  |        |        |      |         |             |       |      | PETERSON NAMES AND ADDRESS OF THE PETERS |      |      |
| Total receipts   Park Could receipts   Park Loads State  | 7 8. | Other provinces  | 1 1  | 1 1    | 1 1    | 1 (  | 1 1     | ( 1         | 1 1   | , ,  | 7 5  |      | 1 1  |
| Deliveries of firm power to;  Other provinces  United States  United States  United States  Total deliveries  Total net capability (6 + 9 - 12)  Total deliveries  Total net capability (6 + 9 - 12)  Firm power peak load within province  Total indicated firm power peak load within province (12 + 16)  Firm power peak load on province (12 + 16)  Firm power peak load on province (12 + 16)  Firm power peak load on province (12 + 16)  Indicated reserve (13 - 17)  Indicated reserve ( | 9.   | Total receipts   | 1  | ŧ      | ť      | 1    | ı       |             | 100   | a a  | 8  | ę    |      |
| Other provinces  |      | Deliveries of firm power to:                                   | The state of the s |        |        |      |         |             |       |      |  |      |      |
| Total deliveries   | 10.  | Other provinces  | \$: J  | 3 4    | 1 1    | 0 0  | ( )     | 1 1         | f i   | f t  | 1 1  | 1 1  | 1 1  |
| Foral net capability (6 + 9 - 12) 26 58 58 58 74 74 77 77 96  Peak loads: Firm power peak load within province 16 31 35 37 40 46 51 55 60 65  Total indicated shortages  | 12.  | Total deliveries   | 1  | ı      | ī      |      | r       | ,           | ı     | ę    | 1  | 1    | 1    |
| Peak loads:         Firm power peak load within province       16       31       35       37       40       46       51       55       60       65         Total indicated firm power peak load within province (14 + 13)       16       31       35       37       40       46       51       55       60       65         Firm power peak load on province (12 + 16)       16       31       35       37       40       46       51       55       60       65         Indicated reserve:         Indicated reserve (13 - 16)       10       27       23       21       18       28       23       22       17       31  | 13.  | + 9 - 12)  | 26   | 58     | 58     | 58   | 58      | 7/4         | 74    | 77   | 77   | 96   | 96   |
| Firm power peak load within province 16 31 35 37 40 46 51 55 60 65 1 dicated shortages   | ,    | 200 P  |  |        |        |      |         |             |       |      |  |      |      |
| Indicated reserve: 13 - 16 31 35 37 40 46 51 55 60 65 10 65  |      | r peak load within province                                    | 16   | 15     | 20     | ,    |         |             | i     | !    |  |      |      |
| Total indicated firm power peak load within province (14 + 15)   | 15.  | Indicated shortages  | 04   | 10     | 53     | 5/   | 0 †     | 440         | 51    | 55   | 09   | 65   | 71   |
| Firm power peak load on province (12 + 16) 16 31 35 37 40 46 51 55 60 65  Indicated reserve:  Indicated reserve (13 - 16)  | 16.  | Total indicated firm power peak load within province (14 + 15) | 16   | 31     | 35     | 37   | 40      | 94          | 51    | ي بي | 09   | 65   | 7.1  |
| Indicated reserve: Indicated reserve (13 - 16)   | 17.  | Firm power peak load on province (12 + 16)                     | 16   | 31     | 35     | 37   | 04      | 947         | 51    | 55   | 09   | 65   | 7.1  |
| Indicated reserve (13 - 16)  |      |  |  |        |        |      |         |             |       |      |  |      |      |
| indicated reserve (15 - 16)  |      | 5  |  |        |        |      |         |             |       |      |  |      |      |
|  |      | (01 -  | 10   | 27     | 23     | 21   | 18      | 28          | 23    | 22   | 17   | 31   | 25   |



TABLE 4. Capability and Firm Power Peak Load in Nova Scotia

| Capability:  Net generating capability:  Hydro-electric     |                        |      |      |        |        |           |  |                |      |          |        |             |
|---|------------------------|------|------|--------|--------|-----------|--|----------------|------|----------|--------|-------------|
| Caps.   | oad                    |      |      | Actual | lal    |           |  |                |      | Forecast |        |             |
| Cops<br>Re  |                        | 1958 | 1964 | 1965   | 1966   | 1967      | 1968   | 1969           | 1970 | 1971     | 1972   | 1973        |
| Re Be   |                        |      |      |        |        | thousands | of   | kilowatts      |      |          |        |             |
| Re De   |                        |      |      |        |        |           | The section of the se |                |      |          |        |             |
| Re<br>De  |                        | 127  | 383  | 141    | 1+1    | 151 540   | 161  | 160 750        | 160  | 160      | 160    | 170         |
| Re<br>Do  |                        | 28-  | m 1  | m .    | ٠<br>د | 7) 1      | ~ ι  | ო <sub>1</sub> | m ,  | ^ I      | m<br>۱ | · · · · · · |
| Re Do   | ability                | 411  | 527  | 626    | 626    | -69       | 704  | 913            | 913  | 913      | 1,013  | 1,023       |
| D   |                        |      |      |        |        |           |  |                |      |          |        |             |
| De  |                        | 1 1  | 1 1  | 1 1    | 1 1    | 1 1       | - 5(i  | 1 1            | 1 1  | 1 4      | 1 1    | 1 4         |
| De  |                        | 1    | a    |        | ,      | 8         | 02   | 1              | f    | 1        | 1      |             |
|   |                        |      |      |        |        |           |  |                |      |          |        |             |
| Total deliveries<br>Total net capat                         |                        | ر ،  | . ·  | 25     | 1 1    | 1 1       | 1 1  | t t            | t i  | 1 1      | 1 (    | 1 1         |
| Total net capability  |                        | m    | ٦    | 25     | ŧ      | ii ii     | ı  |                | 2    | ,        | 1      | 1           |
|   | 6 + 9 - 12)            | 408  | 526  | 601    | 626    | 769       | 702  | 913            | 913  | 913      | 1,013  | 1,023       |
| Peak loads:   |                        |      |      |        |        |           |  |                |      |          |        |             |
| 14. Firm power peak load within province                    | province               | 335  | 438  | 457    | 967    | 604       | 645  | 723            | 962  | 854      | 922    | 686         |
| 16. Total indicated firm power peak load province (14 + 15) | power peak load within | 335  | 438  | 457    | 967    | 909       | 6+5  | 723            | 796  | 854      | 922    | 686         |
| 17. Firm power peak load on province (12                    | ovince (12 + 16)       | 338  | 439  | 482    | 967    | 604       | 645  | 723            | 796  | 854      | 922    | 586         |
| Indicated reserve:  |                        |      |      |        |        |           |  |                |      |          |        |             |
| 18. Indicated reserve (13 - 16) .                           |                        | 73   | 00   | 144    | 130    | 06        | 79   | 190            | 117  | 59       | 91     | 34          |

- ti -



|      | Capability and peak load                                       |      |         | Actual | ıaı     |              |                        |  |       | Forecast |       |       |
|------|--|------|---------|--------|---------|--------------|------------------------|--|-------|----------|-------|-------|
| -    |  | 1958 | 1964    | 1965   | 1966    | 1967         | 1968                   | 1969   | 1970  | 1971     | 1972  | 1973  |
|      |  |      |         |        |         | thousan      | thousands of kilowatts | watts  |       |          |       |       |
|      | Capability:  |      |         |        |         |              |                        |  |       |          |       |       |
|      | Net generating capability:                                     |      |         |        |         |              |                        |  |       |          |       |       |
| 3.2. | Hydro-electric   | 185  | 222 305 | 260    | 251 421 | 253          | 564                    | 565  | 566   | 567      | 568   | 569   |
| 4.   | Internal combustion )  | 187  | 1~      |        | ř.      | l s f        | ~ ,                    |  | F     | 1 1      | 1 ~ 1 | 1     |
| •    | Total net generating capability                                | 372  | 534     | 577    | 679     | 793          | 1,104                  | 1,208  | 1,209 | 1,210    | 1,211 | 1,212 |
|      | Receipts of firm power from:                                   |      |         |        |         |              |                        |  |       |          |       |       |
| . %  | Other provinces  | ω    | 5.0     | 33     | ∞ t     | <i>3</i> * 1 | 00 1                   | ∞ ,  | ∞ ,   | .√<br>.⊣ | 51    | 00 I  |
| 6    | Total receipts   | w    | *       | 33     | ٨.      | X            | σc                     | w  | 00    | 51       | 51    | 8 5   |
|      | Deliveries of firm power to:                                   |      |         |        |         |              |                        | And the second s |       |          |       |       |
| 10.  | Other provinces  | . 6  | 31      | 37     | 38      | 45           | 90                     | : 61   | 7.5   | , 8      | , 18  | 1 00  |
| 12.  | Total deliveries   | 6    | 33      | 3,1    | 38      | ξ,           | 145                    | 7.9  | 75    | 80       | 81    | 00    |
| 13.  | Total net capability (6 + 9 - 12)                              | 371  | 512     | 573    | 679     | 756          | 196                    | 1,155  | 1,142 | 1,181    | 1,181 | 1,215 |
| ρı   | Peak loads:  |      |         |        |         |              |                        |  |       |          |       |       |
| 14.  | Firm power peak load within province                           | 273  | 461     | 528    | 544     | 551          | 579                    | 642  | 7.28  | 767      | 819   | 876   |
| 16.  | Total indicated firm power peak load within province (14 + 15) | 2.5  | 461     | 5.28   | 544     | 551          | 579                    | 642  | 728   | 792      | 819   | 876   |
| 17.  | Firm power peak load on province (12 + 16)                     | 282  | 767     | 565    | 582     | 596          | 724                    | 703  | 803   | 847      | 006   | 958   |
| H    | Indicated reserve:   |      |         |        |         |              |                        |  |       |          |       |       |
| 18.  | Indicated reserve (13 - 16)                                    | 86   | 51      | 45     | 105     | 205          | 388                    | 513  | 414   | 414      | 362   | 339   |
|      |  |      |         |        |         |              | -                      |  |       |          |       |       |

The Reserve Section Control

| Quebec     |
|------------|
| in         |
| Load       |
| Peak       |
| Power      |
| Firm       |
| and        |
| Capability |
| 6.         |
| TABLE      |

|       |  |       |       | Actual | ual    |           |        |             |        | Forecast |        |         |
|-------|--|-------|-------|--------|--------|-----------|--------|-------------|--------|----------|--------|---------|
|       | capability and peak load                                       | 1958  | 1964  | 1965   | 1966   | 1967      | 1968   | 1969        | 1970   | 1971     | 1972   | 1973    |
|       |  |       |       |        |        | thousands |        | Of 141 0000 |        |          |        |         |
|       | Capability:  |       |       |        |        |           |        | OWALLS      |        |          |        |         |
|       | Net generating capability:                                     |       |       |        |        |           |        |             |        |          |        |         |
| 3.5.  | Hydro-electric   | 6,992 | 8,982 | 9,768  | 10,141 | 10,374    | 10,316 | 11,768      | 12,229 | 12,878   | 13,163 | 13,163  |
| . 5   | Internal combustion ) Gas turbine )                            | 61    | 15    | 13     | 15     | 19        | 23     | 24          | 25     | 26       | 27     | 28      |
| 9     | Total net generating capability                                | 7,053 | 9,225 | 10,178 | 10,566 | 10,957    | 11,071 | 12,524      | 12,986 | 13,599   | 13,898 | 1+,149  |
|       | Receipts of firm power from:                                   |       |       |        |        |           |        |             |        |          |        |         |
| r. 80 | Other provinces  | σ,    | 18    | ۲,     | 10     | 12        | 82     | 12          | 12     | 12       | 936    | 1,870   |
| 6     | Total receipts   | 6     | 18    | 7      | 10     | 12        | 82     | 12          | 12     | 12       | 936    | 1,870   |
|       | Deliveries of firm power to:                                   |       |       |        |        |           |        |             |        |          |        |         |
| 10.   | Other provinces  | 673   | 717   | 635    | 633    | 633       | 590    | 590         | 252    | 295      | 295    | 329     |
| 12.   | Total deliveries   | 730   | 723   | 641    | 635    | 635       | 592    | 592         | 254    | 297      | 297    | 331     |
| 13.   | Total net capability (6 + 9 - 12)                              | 6,332 | 8,520 | 9,544  | 9,941  | 10,334    | 10,561 | 11,944      | 12,744 | 13,314   | 14,537 | 15,688  |
|       | Peak loads:  |       |       |        |        |           |        |             |        |          |        |         |
| 14.   | Firm power peak load within province                           | 5,375 | 7,651 | 8,228  | 8,761  | 9,142     | 9,880  | 10,453      | 11,163 | 11,876   | 12,634 | 13,399  |
| 16.   | Total indicated firm power peak load within province (14 + 15) | 5,375 | 7,651 | 8,228  | 8,761  | 9,142     | 9,880  | 10,453      | 11,163 | 11,876   | 12,634 | 13, 399 |
| 17.   | Firm power peak load on province (12 + 16)                     | 6,105 | 8,374 | 8,869  | 9,396  | 777,6     | 10,472 | 11,045      | 11,417 | 12,173   | 12,931 | 13,730  |
|       | Indicated reserve:   |       |       |        |        |           |        |             |        |          |        |         |
| 18.   | Indicated reserve (13 - 16)                                    | 957   | 869   | 1,316  | 1,180  | 1,192     | 681    | 1,491       | 1,581  | 1,438    | 1,903  | 2,289   |
|       |  |       |       |        |        |           |        |             |        |          |        |         |



| Secretaring capability:   Scale   Secretaring capability:   Secretar |           | Capability and peak load                                       |       |       | Actual | 18]                                 |                 |                       |                       |                       | Forecast |                         |                         |
|--|-----------|--|-------|-------|--------|-------------------------------------|-----------------|-----------------------|-----------------------|-----------------------|----------|-------------------------|-------------------------|
| Properties   Pro |           |  | 1958  | 1964  | 1965   | 1966                                | 1967            | 1968                  | 1969                  | 1970                  | 1971     | 1972                    | 1973                    |
| Steam - Companiion   Steam - Companiion   Steam - Steam - Steam - Steam - Steam - Steam - Companiion   Steam - Steam |           |  |       |       |        | And the second second second second | thousa          | of                    | owatts                |                       |          |                         |                         |
| Nate generating capability:   S.081   S.969   S.548   S.568   S.568   S.777   S.969   S.548   S.568   S.568  |           | Capability:  |       |       |        |                                     |                 |                       |                       |                       |          |                         |                         |
| Steam - Convention   Steam - Steam - Convention   |           | Net generating capability:                                     |       |       |        |                                     |                 |                       |                       |                       |          |                         |                         |
| Perceiver a composition   Perceiver   Pe | - 7 ci ei | tional )   | 5,081 | 5,603 | 5,548  | 5,687                               | 5,772 3,280 167 | 6,085<br>4,044<br>200 | 6,328<br>5,014<br>200 | 6,542<br>6,088<br>200 | 6,405    | 6,777<br>6,946<br>1,500 | 6,777<br>8,020<br>2,000 |
| Receiptes of film power from:   Other provinces   Content of the power from:   Other provinces   Other province | 5.        | mbustion )   |       | 00    | 7 74   | 149                                 | 288             | 352                   | 352                   | 352                   | 397      | 397                     | 397                     |
| Other provinces of firm power from:   Other provinces of firm power from:   Other provinces of firm power from:   Other province capability (6 + 9 - 12)   | . 9       |  | 5,881 | 7,990 | 8,514  | 8, 790                              | 9,515           | 10,687                | 11,900                | 13,189                | 14,536   | 15,629                  | 17,203                  |
| Other provinces         G68         709         627         625         628         582         582         244         244         294           Total receipts         Total receipts         668         709         627         625         625         528         582         244         244         244         294           Deliveries of firm power to:         0ther provinces         86         90         46         47         48         48         42         42         25         24           Total deliveries         87         98         46         47         48         48         42         42         25         24           Total deliveries         87         98         46         47         48         48         42         42         25         24           Total deliveries         87         98         46         47         48         48         42         42         25         24           Total deliveries         88         69         9,157         9,368         10,092         11,221         12,440         13,391         14,057           Indistanced states total deliveries         88         7,887         8,586         9,157   |           | Receipts of firm power from:                                   |       |       |        |                                     |                 |                       |                       |                       |          |                         |                         |
| Deliveries of firm power to:    Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power to:   Other provinces of firm power power to:   Other province (12 + 16)   S,981   7,995   8,596   9,157   9,930   10,648   11,548   12,303   13,169   14,057     Other power peak load on province (12 + 16)   S,881   7,995   8,596   9,157   9,930   10,797   11,548   12,303   13,169   14,057     Firm power peak load on province (12 + 16)   S,881   7,995   8,596   9,204   9,978   10,845   11,590   12,345   13,194   14,081     Indicated reserve:   Indicated reserve:   Indicated reserve (13 - 16)   S,881   S,881   S,891   | . 8       | Other provinces  | 999   | 709   | 627    | 625                                 | 625             | 582                   | 582                   | 244                   | 244      | 294                     | 344                     |
| Deliveries of firm power to:  Other provinces  United States  United States  United States  United States  United States  United States  Total deliveries  Total deliveries  Total net capability (6 + 9 - 12)  Firm power peak load within province  Total indicated fram power peak load within province (12 + 15)  Firm power peak load on province (12 + 16)  Firm power peak load on province (12 + 16)  Total indicated reserve (13 - 16)  Light Ag  | 6         | Total receipts   | 899   | 709   | 627    | 625                                 | 625             | 582                   | 582                   | 244                   | 244      | 294                     | 344                     |
| Other provinces  |           | Deliveries of firm power to:                                   |       |       |        |                                     |                 |                       |                       |                       |          |                         |                         |
| Total deliveries   | 10.       | Other provinces  | 1 86  | 8 06  | 977    | 47                                  | - 48            | - 48                  | 42                    | 42                    | 25       | 24                      | 22                      |
| Total net capability (6 + 9 - 12) 6,462 8,601 9,095 9,368 10,092 11,221 12,440 13,391 14,755 15,899    Peak loads: Firm power peak load within province 5,794 7,897 8,596 9,157 9,930 10,648   | 12.       |  | 87    | 86    | 947    | 47                                  | 84              | 847                   | 42                    | 42                    | 25       | 24                      | 22                      |
| Firm power peak load within province 5,794 7,897 8,596 9,157 9,930 10,648 11,548 12,303 13,169 14,057 Indicated shortages  | 13.       | + 9 - 12)  | 6,462 | 8,601 | 9,095  | 9,368                               | 10,092          | 11,221                | 12,440                | 13, 391               | 14,755   | 5                       | 17,525                  |
| Firm power peak load within province 5,794 7,897 8,596 9,157 9,930 10,648 11,548 12,303 13,169 14,057 10dicated shortages  |           | Peak loads:  |       |       |        |                                     |                 |                       |                       |                       |          |                         |                         |
| Total indicated firm power peak load within 5,794 7,897 8,596 9,157 9,930 10,797 11,548 12,303 13,169 14,057 Province (14 + 15)  | 14.       | Firm power peak load within province                           | 5,794 | 7,897 | 8,596  | 9,157                               | 9,930           | 10,648                | 11,548                | 12,303                | 13,169   | 14,057                  | 14,858                  |
| Firm power peak load on province (12 + 16) 5,881 7,995 8,642 9,204 9,978 10,845 11,590 12,345 13,194 14,081 1  Indicated reserve:  Indicated reserve (13 - 16)   | 16.       | Total indicated firm power peak load within province (14 + 15) | 5,794 | 7,897 | 8,596  | 9,157                               | 9,930           | 10,797                | 11,548                | 12,303                | 13,169   | 14,057                  | 14,858                  |
| Indicated reserve:  Indicated reserve (13 - 16)  | 17.       | Firm power peak load on province (12 + 16)                     | 5,881 | 7,995 | 8,642  | 9,204                               | 9,978           | 10,845                | 11,590                | 12,345                | 13,194   | 14,081                  | 14,880                  |
| Indicated reserve (13 - 16)  | ,         | Indicated reserve:   |       |       |        |                                     |                 |                       |                       |                       |          |                         |                         |
|  | 18.       | Indicated reserve (13 - 16)                                    | 899   | 704   | 665    | 211                                 | 162             | 454                   | 892                   | 1,088                 | 1,586    | 1,842                   | 2,667                   |

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|-------|--|------|---------|--------|-------|--------------------|-------------------|----------------------------------|-------|----------|---|----------------|
|       | oapsoilty and peak load  | 1958 | 1964    | 1965   | 1966  | 1967               | 1968              | 1969                             | 1970  | 1971     | 1972                                    | 1973           |
|       |  |      |         |        |       | t bosto            | thousands of 1-11 | and the first owner was a second |       |          |   |                |
|       | Capability:  |      |         |        |       | CHOUSE             | KI                | OWatts                           |       |          |   |                |
|       | Net generating capability:   |      |         |        |       |                    |                   |                                  |       |          |   |                |
| 1.    | Hydro-electric Steam - Conventional )  | 995  | 735 291 | 1,061  | 1,061 | 1,061              | 1,171             | 1,205                            | 1,205 | 1,609    | 1,710                                   | 1,912          |
| , 4.0 | Internal combustion )  | 168  |         | 1 6    | 11    | 12                 | - 20              | 22                               | 17    |          | 1 1                                     | V 1 L          |
| . 9   | Total net generating capability  | 734  | 1.034   | 1 361  | 1 6   | (                  | l L               | 1                                | 24    | 24       | 24                                      | 24             |
|       |  |      | 1,004   | 1,301  | 1,303 | 1,3/3              | 1,506             | 1,640                            | 1,635 | 2,039    | 2,140                                   | 2,342          |
|       | Receipts of firm power from:   |      |         |        |       |                    |                   |                                  |       |          |   |                |
| . 8   | Other provinces  | 68   | 76      | 83     | 78    | 87                 | 80 1              | 139                              | 189   | 8 1      | 88                                      | 88             |
| 0,    | Total receipts   | 99   | 76      | 83     | 84    | 87                 | 88                | 139                              | 279   | 89       | 89                                      | 89             |
|       | Deliveries of firm power to:   |      |         | 1      |       |                    |                   |                                  |       |          | 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |                |
| 10.   | Other provinces  | 1 1  | 1 2     | - 1    | ٦,    | 41                 | ~ ,               | e-l 1                            | ۲ ,   | 1        | 51                                      | 101            |
| 12.   | Total deliveries   | ı    | 1       |        | ٦     | 41                 |                   |                                  | -     | 7        | 51                                      | 101            |
| 13.   | Total net capability (6 + 9 - 12)  | 802  | 1,128   | 1,443  | 1,446 | 1,419              | 1,593             | 1,778                            | 1,913 | 2,127    | 2,178                                   | 2,330          |
| р     | 100 July 100 |      |         |        |       |                    |                   |                                  |       |          |   |                |
| 14.   | Firm power peak load within province   | 979  | 1,004   | 1.022  | 1,083 | 1.160*             | 1 265             | 7 7.36                           | 200   | 6        |   | ,              |
| 15.   | Indicated shortages  | t    |         |        |       | 0 1                | 1,207             | 1,430                            | 1,534 | 1,630    | 1,723                                   | 1,819          |
| 16.   | Total indicated firm power peak load within province (14 + 15)   | 979  | 1,004   | 1,022  | 1,083 | 1,160 <sup>r</sup> | 1,265             | 1,436                            | 1,534 | 1,630    | 1,723                                   | 1,819          |
| 17.   | Firm power peak load on province (12 + 16)   | 979  | 1,004   | 1,023  | 1,084 | 1,201 <sup>r</sup> | 1,266             | 1,437                            | 1,535 | 1,631    | 1,774                                   | 1,920          |
|       |  |      |         |        |       |                    |                   |                                  |       |          |   |                |
| 10.   | Indicated reserve (13 - 16)  | 156  | 124     | 421    | 363   | 259 <sup>r</sup>   | 328               | 342                              | 379   | 497      | 455                                     | 511            |
|       |  |      |         |        |       |                    |                   |                                  |       |          | -                                       | Annual control |



TABLE 9. Capability and Firm Power Peak Load in Saskatchewan

|             | Capability and peak load                                       |       |            | Act              | Actual           |                  |                        |        |       | Forecast |       |       |
|-------------|--|-------|------------|------------------|------------------|------------------|------------------------|--------|-------|----------|-------|-------|
|             |  | 1958  | 1964       | 1965             | 1966             | 1967             | 1968                   | 1969   | 1970  | 1971     | 1972  | 1973  |
| - 3         | Capability:  |       |            |                  |                  | thousa           | thousands of kilowatts | owatts |       |          |       |       |
|             | Net generating capability:                                     |       |            |                  |                  |                  |                        |        |       |          |       |       |
| 3.5.        | Hydro-electric   | 87    | 309        | 308              | 392              | 392              | 574                    | 575    | 575   | 575      | 575   | 575   |
| · · · · · · | Internal combustion )  | 451   | د در<br>در | 35               | 33               | 33               | , e                    | . 8    | r m   | 33       | 33    | 33    |
| , ,         | Total net generating capability                                | 538   | 912        | 41               | 966              | 1,011            | 1,196                  | 1,337  | 1,477 | 1,573    | 1,673 | 1,813 |
|             | Receipts of firm power from:                                   |       |            |                  |                  |                  |                        |        |       |          |       |       |
| ~ 8         | Other provinces  | proof | 1 1        | e-4<br>1         | ** I             | 7 1              |                        | , ,    | - 1   | e( )     | - 1   | ~ 1   |
| 5.          | Total receipts   | اسم   | 1          | -                |                  | 7                |                        | -      | 1     |          |       | 1     |
|             | Deliveries of firm power to:                                   |       |            |                  |                  |                  |                        |        |       |          |       |       |
| 11.         | Other provinces  | 68    | 76         | £ %              | 84               | 8 -              | 88 1                   | 139    | 189   | 88       | 88    | 90 1  |
| 12.         | Total deliveries   | 68    | 94         | 83               | 84               | 87               | 80                     | 139    | 189   | 89       | 89    | 89    |
| 13.         | Total net capability (6 + 9 - 12)                              | 471   | 818        | 838              | 913              | 965              | г, 109                 | 1,199  | 1,289 | 1,485    | 1,585 | 1,725 |
| ρų          | Peak Loads:  |       |            |                  |                  |                  |                        |        |       |          |       |       |
| 15.         | Firm power peak load within province                           | 353   | 619        | 653 <sup>L</sup> | 709*             | 783 <sup>r</sup> | 922                    | 1,070  | 1,169 | 1,276    | 1,410 | 1,535 |
| 16.         | Total indicated firm power peak load within province (14 + 15) | 353   | 619        | 653 <sup>F</sup> | 709 <sup>F</sup> | 783 <sup>r</sup> | 922                    | 1,070  | 1,169 | 1,276    | 1,410 | 1,535 |
| 17.         | Firm power peak load on province (12 + 16)                     | 421   | 713        | 736 <sup>r</sup> | 793 <sup>F</sup> | 870ř             | 1,010                  | 1,209  | 1,358 | 1,365    | 1,499 | 1,624 |
| 18,         | Indicated reserve:<br>Indicated reserve (13 - 16)              | α -   | 90         | Ч                | 7                | j<br>C<br>7      | 1                      |        |       |          |       |       |
|             |  |       | 664        | 107              | 507              | 182              | 18/                    | 129    | 120   | 209      | 175   | 190   |



TABLE 10. Capability and Firm Power Peak Load in Alberta

|       | Capability and peak load                                       |      |       | Act       | Actual    |        |                        |           |       | Forecast |        |         |
|-------|--|------|-------|-----------|-----------|--------|------------------------|-----------|-------|----------|--------|---------|
|       |  | 1958 | 1964  | 1965      | 1966      | 1967   | 1968                   | 1969      | 1970  | 1971     | 1972   | 1973    |
|       | Capability:  |      |       |           | -         | thousa | thousands of kilowatts | owatts    |       |          |        |         |
|       | Net generating capability:                                     |      |       |           |           |        |                        |           |       |          |        |         |
| - 2 - | Hydro-calefric<br>Steam - Conventional )<br>Nuclear )          | 238  | 526   | 490       | 490       | 1,156  | 1,155                  | 681       | 681   | 681      | 781    | 752     |
| 5.    | Internal combustion )  | 496  |       | 24<br>131 | 26<br>155 | 24     | 36                     | 26<br>155 | 28    | 23       | 24     |         |
| 9     | Total net generating capability                                | 734  | 1,25  | 1,395     | 1,491     | 2,015  | 2,027                  | 2,158     | 2,320 | 2,652    | 2,850  | 3,011   |
|       | Receipts of firm power from;                                   |      |       |           |           |        |                        | 1         |       |          |        |         |
| ~ 8   | Other provinces  |      |       |           | 1 1       | 11.1   |                        |           |       | 1 3      | t i    | ,       |
| 6     | Total receipts   | -    |       | ,         |           | 1      |                        | 1 ,       |       |          |        |         |
|       | Deliveries of firm power to:                                   |      |       |           |           |        |                        | 1         |       | 1        |        | 1       |
| 10.   | Other provinces  |      | c.    | 19        | 19        | 15     | 13                     | 36        | 99    | 09       | 09     | 09      |
| 12.   | Fotal deliverits   | !    | 21    | 19        | 19        | 15     | 13                     | 36        | 56    | 09       | 09     | 0.0     |
| 13.   | Total net capability (6 + 9 - 12)                              | 737  | 1,223 | 1,376     | 1,472     | 2,000  | 2,014                  | 2,122     | 2,264 | 2,592    | 2,790  | 2,951   |
|       | Peak loads:  |      |       |           |           |        |                        |           |       |          |        |         |
| 14.   | Firm power peak load within provinceIndicated shortages        | 3    | .,106 | 1,121     | 1,219     | 1,340  | 1,516                  | 1,767     | 1,913 | 2,078    | 2,263  | \$ 7 C  |
| 16.   | Total indicated firm power peak load within province (14 + 15) | 0.80 | , 106 | 1,121     | 1,219     | 1,340  | 1,516                  | 1,767     | 1,913 | 2,078    | 2,263  | 2,484   |
| 17.   | Firm power peak load on province (12 + 16)                     | 581  | 1,118 | 1,140     | 1,238     | 1,355  | 1,529                  | 1,803     | 1,969 | 2,138    | 2, 323 | 2,544   |
|       | Indicated reserve:   |      |       |           |           |        |                        |           |       |          |        |         |
| 18.   | Indicated reserve (13 - 16)                                    | 157  | 117   | 255       | 253       | 099    | 498                    | 355       | 351   | 514      | 527    | 467     |
|       |  |      |       |           |           |        |                        | -         | -     | -        | -      | 4.00.00 |



TABLE 11. Capability and Firm Power Peak Load in British Columbia

|        | Capability and peak load                                       |       |       | ACTUAL | ual   |                 |                        |                 |       | Forecast |       |       |
|--------|--|-------|-------|--------|-------|-----------------|------------------------|-----------------|-------|----------|-------|-------|
|        |  | 1958  | 1964  | 1965   | 1966  | 1967            | 1968                   | 1969            | 1970  | 1971     | 1972  | 1973  |
|        |  |       |       |        |       | thousar         | thousands of kilowatts | owatts          |       |          |       |       |
|        | Capability:  |       |       |        |       |                 |                        |                 |       |          |       |       |
|        | Net generating capability:                                     |       |       |        |       |                 |                        |                 |       |          |       |       |
| 1.2.3. | Hydro-electric Steam - Conventional ) Nuclear )                | 2,356 | 2,689 | 2,692  | 2,779 | 2,968           | 3,748                  | 4,168           | 4,186 | 4,537    | 5,042 | 5,042 |
| 4.10   | Internal combustion )  | 212   | 117   | 115    | 121   | -<br>124<br>189 | 127                    | -<br>121<br>189 | 127   | 126      | 127   | 127   |
| . 9    | Total net generating capability                                | 2,568 | 3,481 | 3,627  | 3,741 | 4,121           | 5,083                  | 5,497           | 5,531 | 5,881    | 6,389 | 6,409 |
|        | Receipts of firm power from:                                   |       |       |        |       |                 |                        |                 |       |          |       |       |
| . 8    | Other provinces  | 1 1   | 12    | 19     | 19    | 15              | 13                     | 36              | 56    | 09       | 09    | 09    |
| 9.     | Total receipts   | ı     | 12    | . 19   | 119   | 195             | 123                    | 36              | 56    | 09       | 09    | 09    |
|        | Deliveries of firm power to:                                   |       |       |        |       |                 |                        |                 |       |          |       |       |
| 10.    | Other provinces  | 4 .   | 1 1   | t t    | ŧ 1   | 1 1             | 1 1                    | 1 1             | 1 1   | 1 1      | 1 1   | 1     |
| 12.    | Total deliveries   | 7     | 1     | ē      | 4     | 1               | ,                      | 8               | ,     |          | ,     | 1     |
| 13.    | Total net capability (6 + 9 - 12)                              | 2,564 | 3,493 | 3,646  | 3,860 | 4,316           | 5,206                  | 5,533           | 5,587 | 5,941    | 6,449 | 6,469 |
|        |  |       |       |        |       |                 |                        |                 |       |          |       |       |
|        | Peak loads:  |       |       |        |       |                 |                        |                 |       |          |       |       |
| 14.    | Firm power peak load within province                           | 1,935 | 2,886 | 3,058  | 3,421 | 3,647           | 3,951                  | 4,369           | 4,684 | 4,925    | 5,179 | 5,417 |
| 16.    | Total indicated firm power peak load within province (14 + 15) | 1,935 | 2,886 | 3,058  | 3,421 | 3,647           | 3,951                  | 4,369           | 4,684 | 4,925    | 5,179 | 5,417 |
| 17.    | Firm power peak load on province (12 $\pm$ 16)                 | 1,939 | 2,886 | 3,058  | 3,421 | 3,647           | 3,951                  | 4,369           | 4,684 | 4,925    | 5,179 | 5,417 |
|        | Indicated reserve:   |       |       |        |       |                 |                        |                 |       |          |       |       |
| 18.    | Indicated reserve (13 - 16)                                    | 629   | 209   | 588    | 439   | 699             | 1,255                  | 1,164           | 903   | 1,016    | 1,270 | 1,052 |
|        |  |       |       |        |       |                 |                        |                 |       |          |       |       |



|     |  |      |      | Actual   | lal  |         |                        |       |      | Forecast |      |      |
|-----|--|------|------|--|------|---------|------------------------|-------|------|----------|------|------|
|     | Capability and peak load                                       |      |      |  |      |         |                        |       |      |          |      |      |
|     |  | 1958 | 1964 | 1965   | 1966 | 1961    | 1968                   | 1969  | 1970 | 1971     | 1972 | 1973 |
|     |  |      |      | And the second s |      | thousan | thousands of kilowatts | watts |      |          |      |      |
|     | Capability:  |      |      |  |      |         |                        |       |      |          |      |      |
|     | Net generating capability:                                     |      |      |  |      |         |                        |       |      |          |      |      |
| ij  | Hydro-electric   | 27   | 27   | 29   | 28   | 17      | 18                     | 27    | 27   | 27       | 27   | 27   |
| 3.  |  |      | 1    | 1 1  | 1 1  | t i     | 1 1                    | 1 1   | 1 1  | i , ,    |      | ì    |
| 4.  | Internal combustion )  | ı    | ı    | m  | 4    | 7       | 15                     | 16    | 16   | 16       | 17   | 17   |
| 2   | Gas turbine )  |      | P    |  | 1    | 1       | 1                      | T .   | 12   | 12       | 12   | 12   |
| • 9 | Total net generating capability                                | 27   | 27   | 32   | 32   | 21      | 33                     | 43    | 55   | 55       | 56   | 56   |
|     | Receipts of firm power from:                                   |      |      |  |      |         |                        |       |      |          |      |      |
| 7.8 | Other provinces  | 1 1  | \$ I | 1 1  | 1 1  | 1 1     | 1 1                    | 1 1   | 1 1  | 1 1      | , ,  | 1 )  |
| 6   | Total receipts   | t    | ž.   | 1  | ,    | ,       |                        | a de  | 1    | ě        | ,    | P    |
|     |  |      |      |  |      |         |                        |       |      |          | 1    |      |
|     | Deliveries of firm power to:                                   |      |      |  |      |         |                        |       |      |          |      |      |
| 10. | Other provinces  | 1 1  | 1 1  | 1 1  | ( )  | 1 1     | 1 /                    |       | 1 1  | 1 1      | 1 1  | , ,  |
| 12. | Total deliveries   | 1    | 0    | ı  | t    |         |                        |       | 40   | t        | 4    |      |
| 13. | Total net capability (6 + 9 - 12)                              | 27   | 27   | 32   | 32   | 21      | 33                     | 43    | 55   | 55       | 56   | 56   |
|     |  |      |      |  |      |         |                        |       |      |          |      |      |
|     | Peak loads:  |      |      |  |      |         |                        |       |      |          |      |      |
| 14. | Firm power peak load within province                           | 18   | 15   | 16   | 17   | 14      | 17                     | 秀.    | 39   | 43       | 97   | 65   |
| 16. | Total indicated firm power peak load within province (14 + 15) | 18   | 15   | 16   | 17   | 14      | 17                     | **    | 39   | 43       | 949  | 64   |
| 17. | Firm power peak load on province $(12+16)$                     | 18   | 15   | 16   | 17   | 14      | 17                     | 35    | 39   | 43       | 97   | 67   |
|     |  |      |      |  |      |         |                        |       |      |          |      |      |
|     |  |      |      |  |      |         |                        |       |      |          |      |      |
| 18. | Indicated reserve (13 - 16)                                    | 6    | 12   | 16   | 15   | 7       | 16                     | 6     | 16   | 12       | 10   | 7    |
|     |  |      |      |  |      |         |                        |       |      |          |      |      |

Amble 12. Capability and Firm Power Peak Load in Yukon



TABLE 13. Capability and Firm Power Peak Load in Northwest Territories

|     | Capability and peak load                                       |      |      | Actual  | al   |         |                        |            |      | Forecast   |      |       |
|-----|--|------|------|---------|------|---------|------------------------|------------|------|------------|------|-------|
|     |  | 1958 | 1964 | 1965    | 1966 | 1967    | 1968                   | 1969       | 1970 | 1971       | 1972 | 1973  |
|     |  |      |      |         |      | thousan | thousands of kilowatts | watts      |      |            |      |       |
|     | Capability:  |      |      |         |      |         |                        |            |      |            |      |       |
|     | Net generating capability:                                     |      |      |         |      |         |                        |            |      |            |      |       |
| 1.  | Hydro-electric   | 10   | 17   | 35      | 35   | 35      | 35                     | 35         | 35   | 35         | 35   | 35    |
| 3   |  | r    | ٠,   | -4<br>1 | ٠ ;  | ٠,      | ٦ ,                    | <b>⊣</b> 1 | -1   | <b>→</b> , | ,    | p=4 1 |
| 4.  | Internal combustion ) Gas turbine )                            | n    | 13   | 9       | 10   | 10      | 13                     | 20         | 26   | 30         | 30   | 35    |
| . 9 | Total net generating capability                                | 13   | 33   | 97      | 47   | 47      | 51                     | 56         | 62   | 99         | 99   | 71    |
|     | Receipts of firm power from:                                   |      |      |         |      |         |                        |            |      |            |      |       |
| 7.  | Other provinces  | 1 1  | 1 1  | 1 1     |      |         | 1 1                    | C 1        | 1 1  |            |      |       |
| .6  | Total receipts   | ı    | 1    | 1       | ,    |         | 1                      |            |      |            | 1    |       |
|     | Deliveries of firm power to:                                   |      |      |         |      |         |                        |            |      |            |      |       |
| 10. | Other provinces  | \$ I | 1 1  | , ,     | , ,  | 1 1     | 1 1                    | 1 1        | 1 1  | ( )        | 1 1  | 1 4   |
| 12. | Total deliveries   | 1    | ı    | 1       | 1    | P       |                        | 1          | E    | d          | •    | ,     |
| 13. | Total net capability (6 + 9 - 12)                              | 13   | 33   | 46      | 47   | 47      | 51                     | 56         | 62   | 99         | 99   | 71    |
| ,   |  |      |      |         |      |         |                        |            |      |            |      |       |
|     | Peak Loads:  |      |      |         |      |         |                        |            |      |            |      |       |
| 14. | Firm power peak load within province Indicated shortages       | 12   | 19   | 31      | 27   | 30      | 38                     | 42         | 45   | 48         | 50   | 53    |
| 16. | Total indicated firm power peak load within province (14 + 15) | 12   | 19   | 31      | 27   | 30      | 38                     | 42         | 45   | 84         | 50   | 53    |
| 17. | Firm power peak load on province (12 + 16)                     | 12   | 19   | 31      | 27   | 30      | 38                     | 42         | 45   | 48         | 50   | 53    |
|     |  |      |      |         |      |         |                        |            |      |            |      |       |
|     | Indicated reserve:   |      |      |         |      |         |                        |            |      |            |      |       |
| 18. | Indicated reserve (13 - 16)                                    | 1    | 14   | 15      | 20   | 17      | 13                     | 14         | 17   | 18         | 16   | 18    |
|     |  |      |      |         |      |         |                        |            |      |            |      |       |



India 14. Energy Requirements in Canada



| 1                                 | 1    | 1              |                                   |                      |             |               |        |         |          |              |         |                  |       |                       |          |
|-----------------------------------|------|----------------|-----------------------------------|----------------------|-------------|---------------|--------|---------|----------|--------------|---------|------------------|-------|-----------------------|----------|
| ange ()                           | 1968 |                | 21.68                             | 11.64                | 8.29        | 10.65         | 5.76   | 6.87    | 6.83     | 12.05        | 10.51   | 5.86             | 18.72 | 6.12                  | 7.20     |
| Percentage change<br>(compounded) | 1964 |                | 11.67                             | 8.99                 | 7.93        | 10.34         | 5.91   | 7.97    | 6.08     | 13.25        | 11.34   | 10.10            | 9.07  | 17.22                 | 7.70     |
| Perce<br>(co                      | 1958 |                | 11.71                             | 10.76                | 7.24        | 9.69          | 6.24   | 6.83    | 7.20     | 12.71        | 11.31   | 7.54             | 7.18  | 9.90                  | 7.15     |
|                                   | 1973 |                | 9,513                             | 303                  | 4,650       | 5,925         | 78,381 | 84,920  | 9,977    | 7,723        | 12,627  | 31,850           | 217   | 249                   | 246,335  |
|                                   | 1972 |                | 7,630                             | 270                  | 4,369       | 5,437         | 74,807 | 79,847  | 9,540    | 6,923        | 11,488  | 30,380           | 206   | 238                   | 231, 135 |
| Forecast                          | 1971 |                | 6,814                             | 240                  | 4,105       | 2,000         | 70,957 | 74,382  | 9,109    | 6, 223       | 10,483  | 28,888           | 197   | 226                   | 216,624  |
|                                   | 1970 |                | 5,072                             | 213                  | 3,774       | 4,607         | 67,449 | 69,671  | 8,571    | 5,588        | 9,397   | 27, 508          | 186   | 212                   | 202,248  |
|                                   | 1969 | kilowatt-hours | 77847                             | 190                  | 3,531       | 780 °7        | 63,505 | 65,597  | 7,954    | 5,018        | 8,614   | 25,929           | 135   | 202                   | 189,600  |
| 1968                              |      | of kilowa      | 3,566                             | 175                  | 3,122       | 3,572         | 59,240 | 60,905  | 7,166    | 4,373        | 7,663   | 23,958           | 92    | 185                   | 174,017  |
| 1967                              |      | millions       | 3,009                             | 161                  | 2,830       | 3,294         | 56,850 | 56,798  | 6, 563   | 3,937        | 6,713   | 22,228           | 83    | 163                   | 162,629  |
| 1966                              |      |                | 2,790                             | 140                  | 2,648       | 3,042         | 53,365 | 53,095  | 6,215    | 3,596        | 6,068   | 20,455           | 8     | 156                   | 151,653  |
| 1965                              |      |                | 2,640                             | 136                  | 2,466       | 2,742         | 49,227 | 48, 509 | 5,988    | 3,205        | 5,499   | 18,444           | 82    | 111                   | 139,049  |
| 1964                              |      |                | 2,293                             | 124                  | 2,301       | 2,410         | 47,081 | 44,814  | 5,659    | 2,658        | 4,987   | 16,849           | 65    | 86                    | 129,339  |
| 1958                              |      |                | 1,178                             | 63                   | 1,552       | 1,417         | 32,342 | 31,468  | 3,576    | 1,322        | 2,624   | 11,579           | 94    | 72                    | 87,239   |
| Province                          |      |                | Newfoundland (including Labrador) | Prince Edward Island | Nova Scotia | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Yukon | Northwest Territories | Canada   |



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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 30

June 13, 1969

Oil Pipe Line Transport, Natural Gas Pipe Line Transport and Distribution

Companies, Quarterly Financial Statistics, Three Months Ending

March 31, 1968-69

For the three month period ending March 31, 1969, net income for oil pipeline companies was \$13.7 million compared to the \$11.4 million reported for the same period in 1968. Net income of gas pipeline transport companies decreased to \$14.5 million, 39.4 per cent more than the \$10.4 million in the previous year. Net income of privately operated natural gas distribution companies, which account for approximately 80 per cent of all distributors' revenues, was \$32.2 million, down 4.7 per cent from \$33.8 million.

Fixed assets as at March 31, 1969, totalled \$834.5 million for oil pipeline companies (up 9.0 per cent from \$765.7 million), \$1,434.6 million for gas pipeline companies (up 11.4 per cent from \$1,287.5 million), and \$1,232.5 million for gas distribution companies (up 11.2 per cent from \$1,107.8 million).





Preliminary Operating Revenue and Expense Account for Three Months Ending March 31, 1968-69

|   | 011 pipeline<br>transport | peline | Natural ga<br>pipeline<br>transport | .1 gas<br>ine<br>port | Natural<br>distribu<br>(privately o | Natural gas<br>distribution<br>(privately operated) |
|---|---------------------------|--------|-------------------------------------|-----------------------|-------------------------------------|---|
|   | 1968                      | 1969   | 1968                                | 1969                  | 1968                                | 1969  |
|   |                           |        | millions                            | of dollars            |                                     |   |
| Total operating revenues                          | 9.44                      | 47.9   | 83.8                                | 103.4                 | 207.0                               | 169.0   |
| Total operating expenses                          | 10.9                      | 11.3   | 54.5                                | 74.2                  | 129.5                               | 98.8  |
| Net revenue from operations                       | 33.7                      | 36.6   | 29.3                                | 29.2                  | 77.5                                | 70.2  |
| Other income and income from affiliated companies | 1.5                       | 1.6    | 9.0                                 | 1.6                   | 3.0                                 | 2,1   |
| Other deductions and fixed charges                |                           |        |                                     |                       |                                     |   |
| Depreciation                                      | 7.9                       | 7.1    | 7.7                                 | 1.9                   | 10.4                                | 7.1   |
| Interest on long term debt                        | 4.5                       | 4.8    | 10.4                                | 12.7                  | 11.9                                | 9.7   |
| Other   | 0.4                       | (0.5)  | 1.4                                 | 1.7                   | 2.2                                 | 1.5   |
| Totals  | 11.3                      | 11.4   | 19.5                                | 16.3                  | 24.5                                | 18.3  |
| Net income before taxes                           | 23.9                      | 26.8   | 10.4                                | 14.5                  | 56.0                                | 54.0  |
| Provision for income taxes                        | 12.5                      | 13.1   | 1                                   | 1                     | 22.2                                | 21.8  |
| Net income after taxes                            | 11.4                      | 13.7   | 10.4                                | 14.5                  | 33.8                                | 32.2  |



Assets, Liabilities and Net Worth as at March 31, 1968-69

|   | Oil pip<br>transp                     |                                       | pipe                                 | al gas<br>line<br>sport             | (priv                                   | l gas<br>bution<br>ately<br>ated)  |
|---|---------------------------------------|---------------------------------------|--------------------------------------|-------------------------------------|---|------------------------------------|
|   | 1968                                  | 1969                                  | 1968                                 | 1969                                | 1968                                    | 1969                               |
|   |                                       |                                       | millions                             | of dollars                          |   |                                    |
| <u>Assets</u>   |                                       |                                       |                                      |                                     |   |                                    |
| Current assets  |                                       |                                       |                                      |                                     |   |                                    |
| Cash  | 35.7                                  | 21.8                                  | 15.8                                 | 17.8                                | 8.5                                     | 11.2                               |
| doubtful accounts   | 25.2                                  | 25.0                                  | 31.4                                 | 35.8                                | 95.1                                    | 145.3                              |
| Inventories of materials and supplies(1)  | 2.9                                   | 3.8                                   | 6.8                                  | 7.5                                 | 21.1                                    | 22.2                               |
| Other current assets  | 1.5                                   | 1.8                                   | 2.5                                  | 11.0                                | 9.8                                     | 9.2                                |
| Totals  | 65.3                                  | 52.4                                  | 56.5                                 | 72.1                                | 134.5                                   | 187.9                              |
| Investments   | 57.2                                  | 45.8                                  | 64.1                                 | 77.Õ                                | 163.6                                   | 189.1                              |
| Fixed assets  | 765.7                                 | 834.5                                 | 1,287.5                              | 1,434.6                             | 1,107.8                                 | 1,232.5                            |
| Less depreciation and amortization  | 228.4                                 | 268.7                                 | 200.9                                | 232.2                               | 185.6                                   | 213.9                              |
| Net fixed assets  | 537.3                                 | 565.8                                 | 1,086.6                              | 1,202.4                             | 922.2                                   | 1,018.6                            |
| Deferred debits   | 4.1                                   | 3.7                                   | 21.8                                 | 23.3                                | 26.7                                    | 25.6                               |
| Total assets  | 663.9                                 | 667.7                                 | 1,229.0                              | 1,374.8                             | 1,247.0                                 | 1,421.2                            |
| Liabilities and Net Worth  Current liabilities  |                                       |                                       |                                      |                                     |   |                                    |
|   |                                       |                                       |                                      |                                     |   |                                    |
| Short term loans  | 9.6                                   | 18.4                                  | 65.4                                 | 44.7                                | 46.3                                    | 58.9                               |
| Accounts payable  | 38.0                                  | 21.2                                  | 67.4                                 | 59.7                                | 90.2                                    | 98.8                               |
| long term debt owned  | 21.6                                  | 39.3                                  | 32.6                                 | 32.8                                | 15.0                                    | 15.9                               |
| Other current liabilities   | 2.4                                   | 0.9                                   | 0.2                                  | 0.2                                 | 5.2                                     | 6.2                                |
|   | 71 (                                  |                                       | 1656                                 | 127 /                               | 156.7                                   | 179.8                              |
| Totals  | 71.6                                  | 79.8                                  | 165.6                                | 137.4                               | 150.7                                   | 117.0                              |
| Totals  Long term debt  | 320.5                                 | 79.8                                  | 708.4                                | 802.2                               | 525.1                                   | 646.1                              |
|   |                                       |                                       |                                      |                                     |   |                                    |
| Long term debt  | 320.5                                 | 289.6                                 | 708.4                                | 802.2                               | 525.1                                   | 646.1                              |
| Deferred credits  | 320.5<br>54.0                         | 289.6                                 | 708.4                                | 802.2                               | 30.4                                    | 646.1<br>35.8                      |
| Deferred credits  | 320.5<br>54.0                         | 289.6                                 | 708.4                                | 802.2<br>4.8                        | 525.1                                   | 646.1<br>35.8                      |
| Long term debt  Deferred credits  Capital stock and surplus  Preferrel  Common  Contributed surplus | 320.5<br>54.0                         | 289.6                                 | 708.4                                | 802.2                               | 30.4                                    | 646.1<br>35.8                      |
| Deferred credits  | 320.5<br>54.0<br>13.4<br>71.6         | 289.6<br>59.2<br>14.3<br>71.6         | 708.4<br>6.4<br>77.5<br>97.1         | 802.2<br>4.8<br>147.7<br>97.8       | 525.1<br>30.4<br>134.0<br>196.1         | 35. 8<br>133. 6<br>196. 3          |
| Long term debt  Deferred credits  Capital stock and surplus  Preferrel  Common  Contributed surplus | 320.5<br>54.0<br>13.4<br>71.6<br>22.9 | 289.6<br>59.2<br>14.3<br>71.6<br>24.7 | 708.4<br>6.4<br>77.5<br>97.1<br>90.8 | 4.8<br>4.8<br>147.7<br>97.8<br>93.7 | 525.1<br>30.4<br>134.0<br>196.1<br>37.7 | 35. 8<br>133. 6<br>196. 3<br>34. 5 |

<sup>(1)</sup> Includes oil and gas inventories and gas stored under ground.



## ERVICE BULLETIN

ENERGY STATISTICS

For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4 No. 31 AUG - 6 1969

Refined Petroleum Products, March 1969

Production of refined petroleum products increased 3.2% in March to 37,558,749 barrels from 36,406,198 in the same month last year, according to an advance release of data that will be contained in the March issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 7.3% in March to 38,461,396 barrels from 35,835,956 a year earlier. There was 7.5% more domestic crude at 21,541,681 barrels versus 20,047,553 and, 7.2% more imported crude at 16,919,715 barrels versus 15,788,403. Domestic disappearance of finished petroleum products increased 8.2% to 42,474,416 barrels from 39,269,304 in the same month last year.

Sales of petroleum products in March increased 8.1% from last year, and sales for the first three months of 1969 are 1.3% over the same period in 1968; an increase of 7.8% was noted for the first three months of 1968 over the previous year.

Inventories of all products were 78.6 million barrels at the end of March 1969; an increase of 8.2 million barrels over March 1968 and 10.2 million barrels over March 1967.

6503-521



Refinery Production in Canada of Selected Petroleum Products, March 1969

|                                  |                   | 7         |            | Fuel oil                                |                  | E                     | Total all   | products    |
|----------------------------------|-------------------|-----------|------------|---|------------------|-----------------------|-------------|-------------|
|                                  | Motor<br>gasoline | stove oil | 4          | -1-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- |                  | rotal all<br>products | Cumu l.     | Cumulative  |
|                                  |                   |           | Dieset     | Lignt                                   | неаvу            |                       | 1969        | 1968        |
|                                  |                   |           | q          | barrels of 35 Ca                        | Canadian gallons | S                     |             |             |
| Newfoundland                     | (1)               | (3)       | 1          | (1)                                     | (1)              | (1)                   | (1)         | (1)         |
| Maritimes                        | 972,660           | 235,728   | (2)        | 660,112                                 | 1,241,765        | 4,029,334             | 11,671,742  | 9,063,352   |
| Quebec                           | 3,154,001         | 784,970   | 1,429,718  | 2,436,398                               | 3,424,092        | 12,278,867            | 36,872,328  | 35,732,864  |
| Ontario                          | 4,301,824         | 320,788   | 693,577    | 2,415,156                               | 1,605,801        | 10,770,650            | 32,268,876  | 30,312,406  |
| Manitoba                         | 597,599           | 55,033    | 120,764    | 179,994                                 | 176,209          | 1,351,853             | 4,008,915   | 4,057,135   |
| Saskatchewan                     | 1,026,175         | 153,895   | 352,222    | 198,240                                 | 109,425          | 2,135,974             | 6,224,847   | 5,752,551   |
| Alberta                          | 1,627,358         | 40,765    | 514,804    | 405,514                                 | .15,959          | 3,563,037             | 10,048,861  | 8,876,358   |
| British Columbia                 | 1,361,449         | 194,217   | 724,622    | 192,346                                 | 409,361          | 3,363,672             | 9,236,580   | 10,264,238  |
| North West Territories and Yukon | 2,971             | 4         | 23,413     | ∞                                       | 6,240            | 65,362                | 177,737     | 190,800     |
| Canada totals                    | 13,044,037        | 1,785,396 | 3,859,120  | 6,487,768                               | 7,248,852        | 37,558,749            | 1           | 1           |
| Canada cumulative                |                   |           |            |   |                  |                       |             |             |
| 1969                             | 38,258,551        | 6,365,118 | 9,997,110  | 20,427,099                              | 21,770,733       | ı                     | 110,509,886 | t           |
| 1968                             | 35,426,033        | 6,426,357 | 10,737,500 | 18,851,171                              | 20,420,161       | 1                     | I           | 104,249,904 |
| (1) Included with Maritimes      | mod               |           |            |   |                  |                       | 7           |             |

(1) Included with Maritimes. (2) Included with Quebec.



NET SALES in Canada of Selected Petroleum Products, March 1969

|                                  | 3          | 7         |                | Fuel oil        |                  | E                     | Total all   | products          |
|----------------------------------|------------|-----------|----------------|-----------------|------------------|-----------------------|-------------|-------------------|
|                                  | gasoline   | stove oil |                | + 100           |                  | Total all<br>products | Cumu 1      | Cumulative        |
|                                  |            |           | Dieser         | Light           | пеалу            |                       | 1969        | 1968 <sup>r</sup> |
|                                  |            |           | φ <del>-</del> | barrels of 35 C | Canadian gallons | S                     |             |                   |
| Newfoundland                     | 154,859    | 150,044   | 209,354        | 249,621         | 290,878          | 1,151,194             | 3,144,617   | 2,906,988         |
| Maritimes                        | 688,056    | 347,264   | 281,389        | 1,117,905       | 1,382,770        | 3,999,070             | 11,571,748  | 12,003,245        |
| Quebec                           | 2,762,583  | 714,706   | 494,041        | 3,736,734       | 2,702,393        | 11,663,732            | 37,565,497  | 38,426,007        |
| Ontario                          | 4,255,192  | 349,940   | 710,250        | 4,645,334       | 2,059,461        | 13,573,894            | 43,343,791  | 42,939,424        |
| Manitoba                         | 488,289    | 132,211   | 172,372        | 219,922         | 97,284           | 1,290,733             | 4,228,107   | 4,017,492         |
| Saskatchewan                     | 632,022    | 114,043   | 232,405        | 192,925         | 58,987           | 1,316,408             | 3,969,637   | 4,243,894         |
| Alberta                          | 1,052,590  | 66,919    | 503,655        | 102,997         | 12,460           | 1,978,780             | 5,910,597   | 5,578,012         |
| British Columbia                 | 1,133,623  | 176,820   | 592,541        | 679,554         | 1,407,689        | 4,361,703             | 13,022,946  | 11,177,157        |
| North West Territories and Yukon | 23,733     | 8,066     | 21,465         | 35,427          | 1                | 120,213               | 328,699     | 234,499           |
| Canada totals                    | 11,190,947 | 2,060,013 | 3,217,472      | 10,980,419      | 8,011,922        | 39,455,727            | ſ           | t                 |
| Canada cumulative                |            |           |                |                 |                  |                       |             |                   |
| 1969                             | 32,454,085 | 7,452,115 | 9,292,998      | 38,761,072      | 24,415,340       | ı                     | 123,085,639 | ı                 |
| 1968 <sup>r</sup>                | 31,741,886 | 8,250,838 | 8,499,532      | 41,129,502      | 22,860,408       | 1                     | I           | 121,526,718       |
|                                  |            |           |                |                 |                  |                       |             |                   |



IMPORTS into Canada of Selected Petroleum Products, March 1969

|               |        | - 21                  |                                | Fuel oil      |           | ***                   |
|---------------|--------|-----------------------|--------------------------------|---------------|-----------|-----------------------|
|               | Motor  | kerosene<br>stove oil | Diesel                         | Light         | Heavy     | Total all<br>products |
|               |        |                       | barrels of 35 Canadian gallons | Canadian gall | suc       |                       |
| Maritimes     | ı      | 1                     | ı                              | 1             | 502,131   | 502,131               |
| One pec       | 74,272 | 7,604                 | ı                              | . 30,191      | 203,466   | 569,537               |
| Ontario       | 1      | 187                   | 1                              | •             | ı         | 109,978               |
| All other     | 977    | 49,875                | 233,956                        | 232,426       | 830,863   | 1,383,717             |
| Canada totals | 75,249 | 57,666                | 233,956                        | 262,617       | 1,536,460 | 2,565,363             |

EXPORTS of Selected Petroleum Products, March 1969

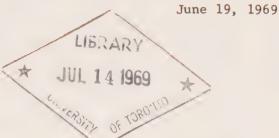
| E        | products  |                                | ı         | 14,194 | 251,908 | 4,498        | 7,320   | 151,559          | 429,479       |       |
|----------|-----------|--------------------------------|-----------|--------|---------|--------------|---------|------------------|---------------|-------|
|          | Heavy     | ons                            | 1         | 1      | 9,528   | 2,547        | 7,320   | ı                | 19,395        | en ge |
| Fuel oil | Light     | Canadian gall                  | 1         | ı      | 184,281 | ı            | ı       | 14,336           | 198,617       |       |
|          | Diesel    | barrels of 35 Canadian gallons | 1         | 7,864  | 1       | 1,138        | 1       | 34,029           | 43,031        |       |
|          | stove oil |                                | 1         | 1      | 9,597   | ŧ            | ı       | 23,472           | 33,069        |       |
| M        | gasoline  |                                | 1         | 1      | 4,404   | 1            | 1       | 55,808           | 60,212        |       |
|          |           |                                | Maritimes | Ouebec | Ontario | Saskatchewan | Alberta | British Columbia | Canada totals |       |



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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 32



Sales of Natural Gas, April 1969, Catalogue No. 55-002

Total sales of Natural gas to Canadian consumers for April 1969 were 76,324,861 Mcf. This was an increase of 16.9% over the same month last year. Revenue from sales was \$50,259,088.

Sales to residential customers accounted for 29.0%, to industrial customers 49.8% and to commercial customers 21.2%.

6503-521



Sales of Natural Gas, April 1969

|                  | Custom                                  | ers       |                          |            |  |
|------------------|---|-----------|--------------------------|------------|--|
|                  | Space heating                           | Total     | Gas sold                 | Revenue    |  |
| Residential      | No.                                     | -         | Mcf.                     | \$         |  |
| New Brunswick    | 130                                     | 1,743     | 2 9/2                    | 10 (00     |  |
| Quebec           | 102,252                                 | 202,702   | 3,842<br>1,092,553       | 12,603     |  |
| Ontario          | 577,250                                 | 707,293   | 10,072,089               | 2,001,039  |  |
| Manitoba         | 106,022                                 | 108,300   |                          | 12,138,092 |  |
| Saskatchewan     | 119,819                                 | 122,243   | 1,803,212  <br>2,278,391 | 1,535,503  |  |
| Alberta          | 263,010                                 | 265,562   | 4,711,322                | 1,733,290  |  |
| British Columbia | 181,003                                 |           |                          | 2,571,116  |  |
| Canada           | ,                                       | 199,082   | 2,191,149                | 3,442,048  |  |
| Uanava           | 1,349,486                               | 1,606,925 | 22,152,558               | 23,433,691 |  |
| Industrial       |   |           |                          |            |  |
| New Brunswick    |   | -         | -                        |            |  |
| Quebec           | **********                              | 2,157     | 2,608,514                | 1,368,066  |  |
| Ontario          |   | 8,388     | 15,882,640               | 8,992,156  |  |
| Manitoba         |   | 299       | 1,337,602                | 399,501    |  |
| Saskatchewan     |   | 631       | 3,708,109                | 1,087,152  |  |
| Alberta          |   | 540       | 9,849,378                | 1,823,748  |  |
| British Columbia |   | 295       | 4,585,593                | 1,460,392  |  |
| Canada           | • | 12,310    | 37,971,836               | 15,131,015 |  |
| Firm             |   | 11,694    | 30,710,783               | 12,349,565 |  |
| Interruptible    | • • • • • • • • • • • • •               | 616       | 7,261,053                | 2,781,450  |  |
| Commercial       |   |           |                          |            |  |
| New Brunswick    |   | 66        | 2,818                    | 5,832      |  |
| Quebec           |   | 10,383    | 533,431                  | 598,326    |  |
| Ontario          |   | 65,493    | 7,208,067                | 6,253,116  |  |
| Manitoba         |   | 10,520    | 1,454,348                | 980,692    |  |
| Saskatchewan     | ************                            | 16,971    | 1,349,325                | 780,758    |  |
| Alberta          |   | 30,231    | 4,049,452                | 1,577,450  |  |
| British Columbia | • | 25,816    | 1,603,026                | , ,        |  |
| Canada           |   |           |                          | 1,498,208  |  |
| Canada           | • • • • • • • • • • • • • • •           | 159,480   | 16,200,467               | 11,694,382 |  |
| Total sales      |   |           |                          |            |  |
| New Brunswick    |   | 1,809     | 6,660                    | 18,435     |  |
| Quebec           |   | 215,242   | 4,234,498                | 3,967,431  |  |
| Ontario          |   | 781,174   | 33,162,796               | 27,383,364 |  |
| Manitoba         |   | 119,119   | 4,595,162                | 2,915,696  |  |
| Saskatchewan     | • | 139,845   | 7,335,825                | 3,601,200  |  |
| Alberta          |   | 296,333   | 18,610,152               | 5,972,314  |  |
| British Columbia |   | 225,193   | 8,379,768                | 6,400,648  |  |
| Canada           |   | 1,778,715 | 76,324,861               | 50,259,088 |  |
| Total exports    |   |           | 55,914,920               | 14,689,479 |  |
| Total imports    |   |           | 4,254,464                | 1,888,097  |  |



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Catalogue No. 57-002 Vol. 4, No. 33



- 2. Errata to Service Bulletin No. 24, May 30, 1969 4

## 1. Refined Petroleum Products

Production of refined petroleum products decreased 4.3% in April to 32,523,892 barrels from 33,933,329 in the same month last year, according to an advance release of data that will be contained in the April issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil decreased 5.0% in April to 32,674,692 barrels from 34,330,685 a year earlier. There was 6.6% less domestic crude at 18,201,763 barrels versus 19,402,781 and, 3.1% less imported crude at 14,472,929 barrels versus 14,927,904. Domestic disappearance of finished petroleum products increased 5.3% to 38,670,057 barrels from 36,717,645 in the same month last year.

6503-521



Refinery Production In Canada Of Selected Petroleum Products, April, 1969

| 2    | Motor      | Orogono   |            | Fuel oil        |                  | £ ( )      | Total all           | products                        |
|------|------------|-----------|------------|-----------------|------------------|------------|---------------------|---------------------------------|
| 1 10 | gasoline   | stove oil | Diesel     | Light           | Heavy            | products   | Cumulative<br>1969P | Cumulative<br>1968 <sup>r</sup> |
|      |            |           | ф          | barrels of 35 ( | Canadian gallons | ons        |                     |                                 |
|      | (1)        | (1)       | ē          | (1)             | (1)              | (1)        | (1)                 | (1)                             |
|      | 1,178,782  | 340,591   | (2)        | 614,955         | 1,070,620        | 3,880,593  | 15,552,335          | 12,123,767                      |
| (,)  | 3,026,183  | 655,240   | 1,274,466  | 1,729,590       | 2,791,580        | 10,778,932 | 47,651,260          | 47,232,286                      |
| (1)  | 3,517,728  | 260,067   | 874,356    | 1,494,102       | 1,759,887        | 9,242,866  | 41,511,742          | 40,907,845                      |
|      | 552,990    | 67,216    | 175,864    | 100,843         | 78,884           | 1,238,517  | 5,247,432           | 5,222,483                       |
|      | 677,174    | 126,274   | 264,676    | 37,799          | 93,210           | 1,485,880  | 7,710,727           | 7,285,261                       |
|      | 1,393,543  | - 1,132   | 589,481    | 165,995         | 76,550           | 2,654,637  | 12,703,498          | 11,571,017                      |
|      | 1,232,999  | 144,399   | 659,802    | 214,356         | 413,611          | 3,182,881  | 12,419,461          | 13,587,130                      |
|      | - 226      | 1         | 15,888     | 748             | 13,458           | 59,486     | 237,223             | 253,444                         |
|      | 11,579,173 | 1,592,655 | 3,854,533  | 4,358,388       | 6,297,800        | 32,523,792 | ı                   | ,                               |
|      | 49,837,724 | 7,957,773 | 13,851,643 | 24,785,487      | 28,068,533       | 1          | 143,033,678         | 4                               |
|      | 47,143,141 | 7,734,405 | 14,999,842 | 24,018,854      | 26,815,461       | ı          | ı                   | 138,183,233                     |
| 1    |            |           |            |                 |                  |            |                     |                                 |



NET SALES In Canada Of Selected Petroleum Products, April, 1969

| Products  | Cumulative<br>1968 <sup>r</sup> |                  | 3,867,227    | 15,095,523 | 48,992,500 | 54,027,572 | 5, 228, 543 | 5,571,350    | 7,466,926 | 14,850,119       | 300,567                          | ı             | i                      | 155,400,327            |
|-----------|---------------------------------|------------------|--------------|------------|------------|------------|-------------|--------------|-----------|------------------|----------------------------------|---------------|------------------------|------------------------|
| Total All | Cumulative<br>1969P             |                  | 4,213,553    | 15,223,493 | 47,963,812 | 55,149,280 | 5,288,911   | 5,354,291    | 7,957,262 | 16,651,404       | 440,973                          | 1             | 158,242,979            | 1                      |
| Total all | products                        | ns               | 1,068,936    | 3,651,745  | 10,398,315 | 11,805,489 | 1,060,804   | 1,384,654    | 2,046,665 | 3,628,458        | 112,274                          | 35,157,340    | ı                      | 1                      |
|           | Heavy                           | Canadian gallons | 293,326      | 1,389,695  | 2,965,070  | 1,988,320  | 50,444      | 23,435       | 3,883     | 923,091          | 232                              | 7,637,496     | 32,052,836             | 31,000,234             |
| Fuel Oil  | Light                           | Barrels of 35 C  | 211,353      | 850,163    | 3,493,555  | 2,267,039  | 89,812      | 55,976       | 136,409   | 487,549          | 23,263                           | 7,615,119     | 46,376,191             | 47,143,799             |
|           | Diesel                          | Ba               | 228,110      | 257,834    | 527,834    | 792,321    | 180,546     | 242,678      | 513,544   | 501,983          | 30,120                           | 3,274,970     | 12,567,968             | 11,766,401             |
| Kerosene  | stove oil                       | -                | 129,255      | 268,553    | 412,200    | 238,839    | 06,040      | 112,685      | 28,718    | 130,859          | 4,595                            | 1,391,744     | 8,843,859              | 9,418,821              |
| Motor     | gasoline                        |                  | 290,349      | 702,383    | 2,528,698  | 4,445,282  | 528,667     | 792,095      | 1,147,763 | 1,089,938        | 19,302                           | 11,544,477    | 43,998,562             | 43,369,579             |
|           |                                 |                  | Newfoundland | Maritimes  | Quebec     | Omtario    | Manitoba    | Saskatchewan | Alberta   | British Columbia | North West Territories and Yukon | Canada Totals | Canada cumulative 1969 | Canada cumulative 1968 |



#### IMPORTS Into Canada Of Selected Petroleum Products, April 1969

|                                    | Motor                         | Kerosene                    |                        | Fuel Oil                      |  | Total all                                  |  |  |
|------------------------------------|-------------------------------|-----------------------------|------------------------|-------------------------------|--|--|--|--|
|                                    | gasoline                      | stove oil                   | Diesel                 | Light                         | Heavy                                      | products                                   |  |  |
|                                    |                               | barr                        | els of 35              | ls of 35 Canadian gallons     |  |  |  |  |
| Maritimes Quebec Ontario All other | 24,125<br>396,054<br>-<br>609 | 19,804<br>34,138<br>-<br>88 | 178,295<br>-<br>50,966 | 459,176<br>485,314<br>221,531 | 484,216<br>2,661,653<br>148,059<br>530,367 | 987,555<br>4,248,365<br>800,197<br>594,467 |  |  |
| Canada total                       | 420,788                       | 54,030                      | 229,261                | 1,166,021                     | 3,824,295                                  | 6,630,584                                  |  |  |

#### EXPORTS Of Selected Petroleum Products, April 1969

|                                  | Motor       | Kerosene                       |        | Fuel Oil |                | Total all      |  |  |
|----------------------------------|-------------|--------------------------------|--------|----------|----------------|----------------|--|--|
|                                  | gasoline    | stove oil                      | Diesel | Light    | Heavy products |                |  |  |
|                                  |             | barrels of 35 Canadian gallons |        |          |                |                |  |  |
| Maritimes Quebec Ontario Alberta | -<br>-<br>- | -<br>6,413                     | -      | 38,860   | 7,710          | 6<br>81,150    |  |  |
| B. C                             | 78,747      | 1,064                          | 36,683 | 34,035   | -              | 130<br>180,722 |  |  |
| Canada total                     | 78,747      | 7,477                          | 36,683 | 72,895   | 7,710          | 262,008        |  |  |

### 2. Errata to Service Bulletin No. 33, May 30, 1969

- Page 1 Ontario Hydro's Hanover plant on the Saugeen River (300 kw. in two units) referred to in paragraph one was dismantled during 1967.
- Page 2 Paragraph 3. Lakeview plant should read Richard L. Hearn.



#### 3. Oil Pipe Line Transport, February 1969, Cat. No. 55-001

Oil movements by Canadian oil pipe lines increased by 5.0% in February 1969 with receipts of 54,184,794 barrels compared with 51,602,510 in the preceding year; import receipts increased to 11,683,373 barrels from 11,169,251.

Total traffic amounted to 25,355 million barrel miles with an average length of haul of 462.1 miles.

| Supply<br>and<br>Disposition | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>February<br>1969 | Total<br>February<br>1968 | % of increase or decrease over 1968 |
|------------------------------|--------------------------------|--|---------------------------|---------------------------|-------------------------------------|
|                              |                                | barrels.                                 | 35 Canadian               | gallons                   |                                     |
|                              |                                |  |                           |                           |                                     |
| Net receipts                 |                                |  |                           |                           |                                     |
| Domestic Imports             | 33,970,318<br>11,631,512       | 8,531,103<br>51,861                      | 42,501,421<br>11,683,373  | 40,433,259 11,169,251     | 5.1<br>4.6                          |
| Total net receipts           | 45,601,830                     | 8,582,964                                | 54,184,794                | 51,602,510                | 5.0                                 |
|                              |                                |  |                           |                           |                                     |
| Net deliveries               |                                |  |                           |                           |                                     |
| Domestic Exports             | 30,592,428<br>15,469,628       | 8,297,112<br>509,070                     | 38,889,540<br>15,978,698  | 37,628,651<br>13,480,442  | 3.4<br>18.5                         |
| Total net deliveries         | 46,062,056                     | 8,806,182                                | 54,868,238                | 51,109,093                | 7.4                                 |
|                              |                                |  |                           |                           |                                     |
| Inventory change             | - 612,252                      | - 215,486                                | - 827,738                 | 360,226                   | -                                   |



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Catalogue No. 57-002
Vol. 4, No. 34

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JUL 16 1969

June 24, 1969

Preliminary(1) Report on Coal Production May 1969

Preliminary data indicate that coal production for the month of May 1969 amounted to 771,722 tons, a decrease of 15.5% from the May 1968 preliminary production figure of 913,264 tons. Landed imports were 2,431,757 tons compared with 2,266,463 tons for the same period last year.

(1) Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.



#### Production and Landed Imports of Coal, by Provinces

| as of 2,000 pour  | i i   | anded(1)   |
|---|---|--|
| orts Produc<br>as of 2,000 pour<br>,024 239<br>291 4          | nds - 9,108   | imports  |
| ,024 239<br>291 4   | 9,108   | -  |
| 291 4:  |   |  |
| 291 4:  |   | -  |
| - 97<br>- 212   | -<br>-<br>0,668<br>7,201<br>2,960   | 48,713<br>-<br>121,466<br>260,501<br>837<br>240<br>-<br>-  |
| ,463 773  | 1,722 2,  | 431,757  |
| ,874<br>,485 1,333  | 3,097   | 3,508<br>285,631   |
| 432<br>,746<br>,782<br>399<br>,223<br>902<br>- 468<br>- 1,469 | 2,585<br>3,354<br>9,114   | 257<br>213,614<br>135,223<br>2,184<br>666  |
| ,065 4,840  | ),792 4,  | 641,384  |
| 3 3 3   | 210 99 - 97 - 21 124 84 ,463 77  ,874 ,485 1,333 432 286 ,746 ,782 399 ,223 902 - 468 - 1,469 124 387 | 210 90,668<br>- 97,201<br>- 212,960<br>124 84,653<br>,463 771,722 2,<br>,485 1,333,097<br>432 280,579<br>,746 -<br>,782 -<br>,746 -<br>,782 -<br>,223 902,585<br>- 468,354<br>- 1,469,114<br>124 387,063 |

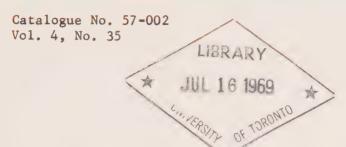
<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.
(2) All figures are preliminary.



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June 25, 1969



Coal and Coke Statistics, April 1969, Cat. No. 45-002

Coal production for the month of April 1969 amounted to 865,470 tons a decrease of 3.1% from the April 1968 production of 892,758 tons, while landed imports were 1,792,064 tons compared with 1,730,036 tons for the month of April 1968. Consumption by industrial consumers amounted to 1,482,777 tons of coal and 550,585 of coke, an increase of 190,149 tons of coal and an increase of 44,606 tons of coke from last year.

Industrial consumers' stocks of coal and coke decreased to 3,831,590 tons from 4,232,654 tons in April 1968.

Coke production during the month of April 1969 increased to 492,624 tons from 455,608 tons in April 1968, while coke used in blast furnaces increased to 394,411 tons from 375,045 tons during the same period.



Coal and Coke Statistics April 1969

|                            |            |                   | Coal                                    |                                     |  | Co   | oke  |
|----------------------------|------------|-------------------|---|-------------------------------------|--|--|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption by industrial consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons                                |  | I.   |  |
| Newfoundland               | -          | ••                | -                                       | -                                   | ~  | -  | _  |
| Prince Edward Island       | •          | -                 | - Can                                   | -                                   | **   | -  | alb  |
| Nova Scotia                | 266,022    | 24,234            | 236,342                                 | 63,386                              | 24,792                                       | 48,215                                       | -  |
| New Brunswick              | 55,370     | ***               | 49,970                                  | 26,515                              | 28,941                                       | 40   | -  |
| Quebec                     | 100        | 51,721            | -                                       | 119,412                             | 157,079                                      | 58,995                                       | 61,681                                       |
| Ontario                    | ~          | 1,715,757         |   | 910,336                             | 3,130,181                                    | 419,767                                      | 112,132                                      |
| Manitoba                   | -          | 271               | -                                       | 25,335                              | 93,737                                       | 91   | 308  |
| Saskatchewan               | 121,778    | 81                | 121,984                                 | 87,994                              | 166,814                                      | -  | óns  |
| Alberta                    | 351,519    | -                 | 350,814                                 | 238,126                             | 18,145                                       | 27   | 65   |
| British Columbia and Yukon | 70,781     | -                 | 82,395                                  | 11,673                              | 7,637  | 23,490                                       | 30,078                                       |
| Total Canada 1969          | 865,470    | 1,792,064         | 841,505                                 | 1,482,777                           | 3,627,326                                    | 550,585                                      | 204,264                                      |
| Total Canada 1968          | 892,758    | 1,730,036         | 840,457                                 | 1,292,628                           | 4,040,581                                    | 505,979                                      | 192,073                                      |



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Catalogue No. 57-002 Vol. 4, No. 36

July 2, 1969

Crude Oil Requirements, 1968-69



The crude oil requirements by Canadian refineries is estimated to increase to a total of 1.196 million B/D in 1969: an increase of 5.7% over last year.

Canadian crude requirements for refining are expected to increase by 3.4% from 645,000 B/D in 1968 to 667,000 B/D in 1969, while imported crude requirements for refining are expected to rise by 8.6% from 487,000 B/D in 1968 to 529,000 B/D in 1969.

Forecast new needs of crude oil for refining are expected to amount to 134,000 B/D in 1969, with domestic produced crude supplying 38% of these new needs (52,000 B/D) and imports 62% (82,000 B/D).

Crude oil exports for the third quarter of 1969 are estimated to average 538,000 B/D, an increase of 10,000 over the same period in 1968.



Canadian Crude Oil Requirements

Anticipated and Actual Refinery Receipts of Crude Oil, Condensate and Pentanes Plus

| 1967   1968 <sup>t</sup>   July   Aug.   Sept.   July   Aug.   Sept.   Sept.   | 1967   1968   July   Aug.   Sept.   July   Aug.   Sept.   July    |             | Actual<br>Jan 5e | tual<br>- 500. |       | Actual<br>1968 <sup>r</sup> |       |        | Estimated 1969 | ared<br>9 |         |
|--|--|-------------|------------------|----------------|-------|-----------------------------|-------|--------|----------------|-----------|---------|
| 100  | 1000   barrels per day   1000   barrels per day   1000     |             | 1967             | 1968r          | July  | Aug.                        | Sept. | July   | Aug.           | Sept.     | Jan.    |
| 100         110.0         1  | Second   S   |             |                  |                |       | ]                           | ls pe | day    |                |           |         |
| Column   C | Column   C   |             |                  |                |       |                             |       |        |                |           |         |
| 100   109   118   117   128  | 611.4   641.4   636.5   643.3   634.7   694.4   700.3   678.5   664.     3.4   3.2   3.0   2.9   3.2   2.6   2.7   2.     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.     700.1   700.1   700.2   700.2   700.2   700.2   700.2   700.2     700.1   700.2   700.2   700.2   700.2   700.2   700.2   700.2     700.1   700.2   700.2   700.2   700.2   700.2   700.2   700.2     700.2   700.2   700.2   700.2   700.2   700.2   700.2     700.2   700.2   700.2   700.2   700.2   700.2     700.2   700.2   700.2   700.2   700.2     700.2   700.2   700.2   700.2   700.2     700.3   700.4   700.5   700.5     700.4   700.5   700.5   700.5     700.5   700.5   700.5     700.5   700.5   700.5     700.5   700.5   700.5     700.5   700.5   700.5     700.5   700.5   700.5     700.5   700.5   700.5     700.6   700.5   700.5     700.6     700.6   700.5     700.6   700.5     700.6   700.5     700.6      | urce        |                  |                |       |                             |       |        |                |           |         |
| 1,061.6   641.4   646.5   649.3   634.7   694.8   700.3   678.5   667.2     3.4   3.2   3.0   2.9   3.2   2.0   2.6   2.7     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.2     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.2     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.2     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.3     614.8   644.6   639.5   646.2   637.9   697.4   702.9   681.2   667.3     614.8   644.6   639.5   646.2   637.9   646.0   577.8   562.9   529.3     615.2   615.2   615.2   615.2   647.9   647.9   647.9     615.2   615.2   615.2   621.3   647.9   647.9   647.9     615.2   610.2   610.2   621.3   647.9   647.9   647.9     615.2   610.2   610.2   621.3   647.9   647.9     615.2   610.2   610.2   621.3   647.9   647.9     615.2   610.2   610.2   621.3   647.9   647.9     615.2   610.2   610.2   621.3   647.9   647.9     615.2   610.2   610.2   621.3   647.9   647.9     615.2   610.2   610.3   610.2   610.3     615.2   615.3   610.2   610.3     615.2   615.3   610.2   610.3     615.3   615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3   615.3     615.3   615.3     615.3   615.3   615.3     615.3  | 100  |             |                  |                |       |                             |       |        |                |           |         |
| 10.0   | 100  |             | 611.4            |                |       | 43.                         |       | 94.    |                | 78.       | 664.9   |
| 1001.         1,131.7         1,167.8         646.2         637.9         697.4         702.9         681.2         667.9           1,061.6         1,131.7         1,167.8         1,170.7         1,075.8         1,261.4         1,280.7         1,244.1         1,196.           1001.         1,131.7         1,167.8         1,170.7         1,075.8         1,261.4         1,280.7         1,244.1         1,196.           1001.         1009.2         118.3         117.4         85.7         150.4         1,244.1         1,196.           110.0         1009.2         118.3         117.4         85.7         150.4         1,244.1         1,196.           110.0         100.2         118.3         117.4         85.7         150.4         1,244.1         1,196.           110.0         100.2         118.3         117.4         85.7         150.4         141.9         401.2           40.0         42.3         40.0         375.3         40.0         40.3         40.5         40.6         40.1         40.5           65.0         65.0         66.1         100.7         100.7         100.7         100.7         100.7         100.7         100.7         100.7   | ion         110.0         109.2         118.3         117.4         85.7         150.4         1528.3         524.5         437.9         564.0         577.8         562.9         582.9  |             | 3.4              |                |       |                             |       |        |                |           |         |
| 1001         1,061.6         1,131.7         1,167.8         1,176.7         1,075.8         1,261.4         1,280.7         1,244.1         1,196.           1001         1,061.6         1,131.7         1,167.8         1,176.7         1,075.8         1,261.4         1,280.7         1,244.1         1,196.           1001         109.2         118.3         117.4         85.7         150.4         133.2         128.0         126.           335.6         370.6         410.0         401.3         351.3         410.8         441.9         441.9         441.9         441.2         401.           40.0         42.3         40.6         42.3         42.9         42.9         42.9         42.9         42.9         42.1         401.         41.2         401.         41.2         401.         41.2         401.         41.2         401.         41.2         401.         41.2         401.         41.2         401.         41.2         401.         41.2         41.2         401.         41.2         41.2         401.         41.2         41.2         41.2         41.2         41.2         41.2         41.2         41.2         41.2         41.2         41.2         41.2         41.2  | ion  1,061.6 1,131.7 1,167.8 1,170.7 1,075.8 1,261.4 1,280.7 1,244.1 1,196.  1,061.6 1,131.7 1,167.8 1,170.7 1,075.8 1,261.4 1,280.7 1,244.1 1,196.  100.1 100.2 118.3 117.4 85.7 150.4 441.9 4  |             | 614.8            | 44             |       | 46.                         | 37.   | 97.    |                | 81.       | 667.3   |
| 1001.6         1,131.7         1,167.8         1,176.7         1,075.8         1,261.4         1,280.7         1,244.1         1,196.           100.         109.2         118.3         117.4         85.7         150.4         133.2         128.0         126.           110.0         109.2         118.3         117.4         85.7         150.4         133.2         128.0         126.           335.6         370.6         410.0         401.3         351.3         441.9         441.9         401.7         401.7           311.1         329.2         320.6         42.3         40.9         361.1         441.2         401.7<  | ion       1,061.6       1,131.7       1,167.8       1,170.7       1,075.8       1,261.4       1,280.7       1,244.1       1,196.0         ion       110.0       109.2       118.3       117.4       85.7       150.4       133.2       128.0       126.0         335.6       376.6       410.0       400.3       331.3       400.8       441.9       422.1       401.0         40.0       42.3       400.6       37.8       309.3       356.5       361.1       401.0       401.0         40.0       42.3       400.6       42.3       40.6       441.9       441.9       401.7       401.0         40.0       42.3       40.6       42.3       40.6       441.9       441.9       401.7       401.0       401.1 <td></td> <td>8.977</td> <td>487.1</td> <td></td> <td>2,</td> <td></td> <td></td> <td></td> <td></td> <td>529.1</td>  |             | 8.977            | 487.1          |       | 2,                          |       |        |                |           | 529.1   |
| 110.0       109.2       118.3       117.4       85.7       150.4       133.2       128.0       126.0         335.6       376.6       410.0       401.3       351.3       410.8       441.9       441.9       442.1       441.9       441.9       441.2       401.2       350.1       401.2       350.1       401.2       40  | 110.0 109.2 118.3 117.4 85.7 150.4 133.2 128.0 126. 325.6 310.6 327.8 369.3 358.5 361.1 361.7 401. 350.4 441.9 441.9 441.9 452.1 350. 40.0 310.1 329.2 320.6 327.8 309.3 358.5 361.1 361.7 361.7 40.6 41.1 441.9 441.9 441.9 441.9 441.9 441.9 441.9 441.9 441.9 441.9 441.9 441.1 361.7 40.0 40.5 66.1 66.1 66.1 66.1 66.1 66.1 100.7 100.7 100.5 111.1 109.7 9 | •           | 1,061.6          | 1,131.7        | ,167. | ,170.                       | ,075. | 261.   | ,280.          |           | ,196.   |
| 110.0     109.2     118.3     117.4     85.7     150.4     133.2     128.0     128.0       335.6     376.6     410.0     401.3     351.3     410.8     441.9     441.9     432.1       335.6     376.6     410.0     401.3     401.3     401.3     441.9     432.1       311.1     329.2     320.6     327.8     309.3     358.5     361.1     361.7       40.0     42.3     40.5     42.3     42.9     40.6     41.1     41.2       40.0     60.7     60.5     68.1     62.3     68.5     67.3     65.7     63.0       102.2     110.9     110.0     103.4     118.5     113.4     121.3     105.7       1.0     2.7     2.7     2.7     2.5     3.0     3.0     3.0       3.0     412.5     412.5     412.5     1,261.4     1,260.7     1,196.        412.5     461.8     514.2     513.3     555.6     539.0     527.7     548.3  | 110.0 109.2 118.3 117.4 85.7 150.4 133.2 128.0 126.3 128.0 1 | By location |                  |                |       |                             |       |        |                |           |         |
| 31.1       32.0       40.1       327.8       399.3       410.0       401.1       361.7       361.7       350.1         311.1       32.2       320.6       327.8       399.3       358.5       361.1       361.7       350.7         40.0       42.3       40.5       42.3       42.9       40.6       41.1       41.2       40.2         63.0       60.7       60.5       68.1       62.3       68.5       67.3       65.7       40.2         100.7       100.7       105.2       107.7       106.5       111.1       109.7       91.1       105.7         102.2       110.9       110.0       103.4       118.5       123.4       121.3       107.         1.       2.1       2.7       2.7       2.5       3.0       3.0       3.0       2.         1.       1061.6       1,131.7       1,167.8       1,170.7       1,075.8       1,261.4       1,280.7       1,244.1       1,196.         1.       412.5       461.8       512.2       513.3       555.6       539.0       527.7       548.3  | 25.5.6 327.8 309.3 358.5 361.1 361.7 350.7 40.1 40.1 40.1 40.2 30.0 40.2 42.3 42.3 42.3 42.3 42.3 42.3 42.3 42   |             | 110.0            | 109.2          | 118.3 | 117.4                       | 85.7  | 150.4  | 133.2          | 128.0     | 126.3   |
| 40.0       42.3       40.5       42.3       42.9       40.6       41.1       41.2       40.6         63.0       60.7       60.5       68.1       62.3       68.5       68.5       67.3       65.7       63.0         97.8       100.7       105.2       107.7       106.5       111.1       109.7       91.1       105.7         102.2       110.9       110.0       103.4       115.3       118.5       123.4       121.3       107.         2.7       2.7       2.7       2.7       3.0       3.0       3.0       2.         1,061.6       1,131.7       1,167.8       1,170.7       1,075.8       1,261.4       1,280.7       1,244.1       1,196.         412.5       461.8       514.2       513.3       555.6       539.0       527.7       548.3  | 40.0       42.3       40.5       42.3       42.9       40.6       41.1       41.2       40.6         63.0       60.7       60.5       68.1       62.3       68.5       67.3       65.7       63.0         97.8       100.7       105.2       107.7       106.5       111.1       109.7       91.1       105.7         102.2       110.9       110.0       103.4       115.3       118.5       123.4       121.3       107.         2.7       2.7       2.7       2.7       3.0       3.0       2.         2.5       3.0       3.0       3.0       3.0       2.         412.5       461.8       514.2       513.3       555.6       539.0       527.7       548.3   |             | 311.1            | 329.2          | 320.6 | 327.8                       | 309.3 | 358.5  | 361.1          | 361.7     | 350.1   |
| 97.8     100.7     105.2     107.7     106.5     111.1     109.7     91.1       102.2     110.9     110.0     103.4     115.3     118.5     123.4     121.3       1.9     1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0     1.0     1.0     1.0       1.0     1.0     1.0  | 97.8 100.7 105.2 107.7 106.5 111.1 109.7 91.1 105.7 105.5 111.1 109.7 91.1 105.7 105.5 111.1 109.7 91.1 105.7 105.5 111.1 109.7 91.1 105.7 105.2 110.9 110.0 103.4 115.3 118.5 123.4 121.3 107.  2.7 2.7 2.7 2.7 3.0 3.0 3.0 2.  2.  2.  2.  3.0 3.0 3.0 3.0 3.0 2.  2.  3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3   | •           | 40.0             | 42.3           | 40.5  | 42.3                        | 42.9  | 40.6   | 41.1           | 41.2      | 40.1    |
| 102.2     110.9     110.0     103.4     115.3     118.5     123.4     121.3     107.3       1.961.6     1,131.7     1,167.8     1,170.7     1,075.8     1,261.4     1,280.7     1,244.1     1,196.       412.5     461.8     514.2     513.3     555.6     539.0     527.7     548.3   | 102.2 110.9 110.0 103.4 115.3 118.5 123.4 121.3 107.   |             | 97.8             | 100.7          | 105.2 | 107.7                       | 106.5 | 1111.1 | 109.7          | 91.1      | 105.2   |
| 1,061.6 1,131.7 1,167.8 1,170.7 1,075.8 1,261.4 1,280.7 1,244.1 1,196.   412.5 461.8 514.2 513.3 555.6 539.0 527.7 548.3   | 1,061.6 1,131.7 1,167.8 1,170.7 1,075.8 1,261.4 1,280.7 1,244.1 1,196.  412.5 461.8 514.2 513.3 555.6 539.0 527.7 548.3  peline companies.   |             | 102.2            | 110.9          | 110.0 | 103.4                       | 115.3 | 3.0    | 123.4          | 121.3     | 107.7   |
| 412.5 461.8 514.2 513.3 555.6 539.0 527.7 548.3  | 412.5 461.8 514.2 513.3 555.6 539.0 527.7 548.3  peline companies.   |             | 1,061.6          |                | ,167. | ,170.                       |       | ,261.  | ,280.          | ,244.     | 1,196.4 |
|  | the pipeline companies. available.   |             | 412.5            |                | 7     | ('')                        | 55.   | 9      |                |           |         |



#### Crude Oil Requirements 1968 and 1969

## Summary of Crude Oil Requirements and New Needs (thousand barrels daily)

|          | 1968     |      |          | 19   | 69     |     |
|----------|----------|------|----------|------|--------|-----|
|          | Requirem | ents | Requirem | ents | New ne | eds |
|          | Volume   | %    | Volume   | %    | Volume | %   |
| Domestic | 615      | 58   | 667      | 56   | 52     | 38  |
| Imports  | 447      | 42   | 529      | 44   | 82     | 62  |
| Totals   | 1,062    | 100  | 1,196    | 100  | 134    | 100 |



# SERVICE BULLETIN



For further information write to DBS Energy and Minerals Section Ottawa or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

July 8, 1969

Catalogue No. 57-002 Vol. 4, No. 37



Preliminary Electric Energy Statistics, May 1969, Catalogue No. 57-001

Net generation of electric energy increased 10.2% to 15,499,842 thousand kwh. in May 1969 from 14,062,122 thousand kwh. in May 1968. All provinces experienced significant increases in generation. Output from hydro plants increased 16% reflecting the above average water conditions for the month. Thermal generation decreased by 13%. This is the first significant decrease in thermal generation in recent years.

Imports decreased 22% and exports were up 3% compared with May 1968. Secondary energy consumption increased by 64,016 thousand kwh. to 180,329 thousand kwh. in May 1969. Firm energy consumption was up 9.3% over May 1968.

Total generation for the twelve month period ending May 31, 1969 amounted to 181,710,083 thousand kwh. compared with 180,272,363 thousand kwh. for the period ending in April.



Seasonally adjusted, net generation in May amounted to 15,816 million kwh. and firm energy consumption was 15,438 million kwh. Because this is the first time that seasonally adjusted data has been published, the following tabulation of seasonally adjusted figures for recent months is provided.

| Year and Month | Firm Energy<br>Consumption | Net<br>Generation |
|----------------|----------------------------|-------------------|
|                | millions of ki             | lowatt-hours      |
| 68 - January   | 14,166                     | 14,392            |
| February       | 14,693                     | 14,909            |
| March          | 13,980                     | 14,011            |
| April          | 14,040                     | 14,349            |
| May            | 14,109                     | 14,354            |
| June           | 14,219                     | 14,572            |
| July           | 14,582                     | 14,733            |
| August         | 14,410                     | 14,594            |
| September      | 14,583                     | 14,685            |
| October        | 14,868                     | 14,903            |
| November       | 14,990                     | 14,867            |
| December       | 15,398                     | 15,321            |
|                |                            |                   |
| 69 - January   | 15,394                     | 15,509            |
| February       | 15,337                     | 15,459            |
| March          | 15,460                     | 15,583            |
| April          | 15,403                     | 15,743            |
| May            | 15,438                     | 15,816            |



#### Preliminary Electric Energy Statistics

(thousand kwh)

|                                 |                         | May        |            |
|---------------------------------|-------------------------|------------|------------|
|                                 | 1967                    | 1968       | 1969       |
|                                 |                         |            |            |
| Net generation - Hydro          | 11,377,608 <sup>r</sup> | 11,279,335 | 13,078,426 |
| Thermal                         | 2,116,642 <sup>r</sup>  | 2,782,787  | 2,421,416  |
| Total net generation            | 13,494,250 <sup>r</sup> | 14,062,122 | 15,499,842 |
| Energy imported from U.S.A      | 379,572                 | 278,825    | 216,852    |
| Energy exported to U.S.A.:      |                         |            |            |
| Firm                            | 58,374                  | 67,282     | 78,858     |
| Secondary                       | 257,328                 | 222,082    | 220,547    |
| Total exported to U.S.A         | 315,702                 | 289,364    | 299,405    |
| Net energy used in Canada       | 13,558,120 <sup>r</sup> | 14,051,583 | 15,417,289 |
| Secondary energy used in Canada | 180,757 <sup>r</sup>    | 120,784    | 180,329    |
| Firm energy used in Canada      | 13,377,363 <sup>r</sup> | 13,930,799 | 15,236,960 |

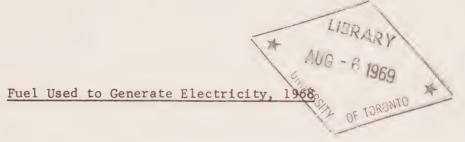
r Revised figures.



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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 38 July 10, 1969



Preliminary data indicate that thermal generation of electric energy by public and private utilities amounted to 36,568,618 thousand kwh. in 1968 compared with 28,526,549 thousand kwh. in 1967, an increase of 28.2%. Coal was used to generate 61% of the energy with natural gas and petroleum fuels accounting for 20% and 19% respectively.

The quantity of coal used to generate electricity increased by 22% to 11,098,800 tons in 1968 from 9,113,373 tons in 1967 accounting for approximately 39% of the total coal consumption in Canada. During the same period, the amount of petroleum fuels used for electric energy generation increased by 46% while the amount of natural gas used increased by 14%.

Utilities spent \$116,131,236 on fuel compared with \$96,958,417 in 1967. Coal accounted for 59% of the cost followed by petroleum fuels and natural gas with 28% and 13% respectively.



Fuel Used to Generate Electricity, 1968

| No.   |  |             | Canada        | New-<br>foundland | Prince<br>Edward<br>Island | Nova<br>Scotia |
|-------|--|-------------|---------------|-------------------|----------------------------|----------------|
|       | Electric utilities - Publicly and privately- |             |               |                   |                            |                |
|       | operated:                                    |             |               |                   |                            |                |
|       | Quantity of fuel:                            |             |               |                   |                            |                |
| 1     | Coal:  | -1          | 1 500 054     |                   |                            |                |
| 1 2   | Bituminous — Canadian                        |             | 1,720,854     | _                 | _                          | 712,358        |
| 3     | Sub-bituminous                               |             | 2,537,212     | alama.            | _                          | _              |
| 4     | Saskatchewan lignite                         |             | 1,490,821     |                   | _                          | _              |
| 5     | Other  |             | 1, 130, 021   |                   |                            | _              |
| 6     | Total coal                                   |             |               |                   | _                          |                |
| 0     | Total Coal                                   | Short ton   | 11,098,800    | _                 | _                          | 712, 358       |
|       | Petroleum fuels:                             |             |               |                   |                            |                |
| 7     | Furnace fuel oil—Light                       | Imp. gallon | 13,314,574    |                   | _                          | 73,312         |
| 8     | Heavy  | "           | 388,296,857   | 4,581,311         | 16,509,171                 | 53,078,868     |
| 9     | Diesel fuel oil                              | 4.6         | 32,511,640    | 4,898,792         | 81,421                     | 1,028,411      |
| 10    | Other  | 4.4         | 189, 282      | -                 | _                          | -              |
| 11    | Total petroleum fuels                        | * *         | 434, 312, 353 | 9, 480, 103       | 16, 590, 592               | 54, 180, 591   |
|       | Gas:   |             |               |                   |                            |                |
| 12    | Natural                                      | M. cu. ft.  | 79,736,686    | _                 |                            |                |
| 13    | Manufactured                                 |             | _             | _                 | _                          | _              |
| 14    | Total gas                                    | M. cu. ft.  | 79, 736, 686  |                   |                            |                |
|       |  |             | 19, 130, 080  | entino            |                            | ****           |
| 15    | Other fuels – Propane                        | 6.6         | 34, 929       | -                 | _                          | -              |
|       | Cost of fuel:                                |             |               |                   |                            |                |
|       | Coal:  |             |               |                   |                            |                |
| 16    | Bituminous - Canadian                        | \$          | 15,047,991    | _                 | - 1                        | 6, 250, 117    |
| 17    | Imported                                     | \$          | 47, 199, 579  |                   | _                          | _              |
| 18    | Sub-bituminous                               | \$          | 3,375,241     | _                 |                            | _              |
| 19    | Saskatchewan lignite                         | \$          | 2,849,559     | _                 | _                          | _              |
| 20    | Other  |             | _             | _                 | _                          | _              |
| 21    | Total coal                                   | \$          | 68, 472, 370  |                   | _                          | 6, 250, 117    |
|       | Petroleum fuels:                             |             | 1             |                   |                            |                |
| 22    | Furnace fuel oil—Light                       | \$          | 1,652,198     |                   |                            | 9,645          |
| 23    | Heavy  | \$          | 24.593.877    | 308,309           | 1,091,303                  | 3, 260, 568    |
| 24    | Diesel fuel oil                              | \$          | 5,770,528     | 930, 203          | 11,358                     | 153,787        |
| 25    | Other  | \$          | 21,201        | -                 | _                          | _              |
| 26    | Total petroleum fuels                        | \$          | 32,037,804    | 1, 238, 512       | 1, 102, 661                | 3,424,000      |
|       | Cost   |             |               |                   |                            |                |
| 27    | Gas:   | Φ.          |               |                   |                            |                |
| 27 28 | Natural                                      | \$          | 15,588,201    | -                 | _                          | _              |
| 29    |  | ø           | _             | _                 | _                          | _              |
| 49    | Total gas                                    | \$          | 15, 588, 201  |                   | _                          | _              |
| 30    | Other fuels - Propane                        | \$          | 32,861        | _                 | _                          |                |
| 31    | Total all fuels                              | \$          | 116, 131, 236 | 1, 238, 512       | 1, 102, 661                | 9, 674, 117    |
| 32    | Per cent of total for Canada                 |             | 100.0         | 1.07              | 0.95                       | 8.33           |

See footnotes at end of table.



Fuel Used to Generate Electricity, 1968

|                          |               | 1                         |                      | denerate E        |              |  |          |                          | _    |
|--------------------------|---------------|---------------------------|----------------------|-------------------|--------------|--|----------|--------------------------|------|
| New<br>Brunswick         | Quebec        | Ontario                   | Manitoba             | Saskat-<br>chewan | Alberta      | British<br>Columbia  | Yukon    | Northwest<br>Territories | No.  |
|                          |               |                           |                      |                   |              |  |          |                          |      |
|                          |               |                           |                      |                   |              |  |          |                          |      |
| 263,964                  |               | 738, 351                  | 80                   |                   | 6,101        |  |          |                          | 1 1  |
| 203, 304                 |               | 5,349,913                 | _                    | _                 | 0,101        |  |          |                          | 1 2  |
| -                        | _             | -                         | _                    | 197,861           | 2,339,351    | _  | _        | _                        | 3    |
|                          | _             | _                         | 196,966              | 1,293,855         | _            | _  | _        | _                        | 4    |
|                          | _             | _                         |                      | _                 | _            | _  |          | _                        | 5    |
| 263, 9641                | _             | 6, 088, 2641              | 197, 0461            | 1,491,716         | 2, 345, 452  |  | _        | _                        | 6    |
|                          |               |                           |                      |                   |              |  |          |                          |      |
| 622,313 <sup>1</sup>     | 1,160,729     | 11,034,765¹               | 359,460 <sup>1</sup> | _                 | _            | 63,995   | _        | _                        | 7    |
| 94,286,286               | 172,000,000   | _                         | _                    | 6,894,971         | 6,650,616    | t .  |          | 1,695,855                | 8    |
| 652,804                  | 4,611,500     | 3,733,4172                | 3,816,999            | 1,987,658         | 1,823,030    | 7,739,854  | 924,816  | 1,212,938                | 9    |
| -                        |               |                           | 32,8883              | _                 | _            | 156, 3944  | -        | _                        | 10   |
| 95, 561, 403             | 177, 772, 229 | 14, 768, 182              | 4, 209, 347          | 8, 882, 629       | 8, 473, 646  | 40, 560, 022   | 924, 816 | 2, 908, 793              | 11   |
|                          |               |                           |                      |                   | 1            |  |          |                          |      |
| - 1                      | _             | 244, 438 <sup>2</sup>     | 1,103,285            | 21,910,885        | 34,221,570   | 22, 256, 508   |          |                          | 12   |
| -                        | -             |                           | _                    | _                 | _            | _  | _        | _                        | . 13 |
|                          | -             | 244, 438                  | 1, 103, 285          | 21, 910, 885      | 34, 221, 570 | 22, 256, 508   | with     | _                        | 14   |
| -                        | -             | _                         |                      | _                 | _            | 34, 929  |          | -                        | 15   |
|                          |               |                           |                      |                   |              |  |          |                          |      |
| 2,232,268                |               | 6 542 022                 | 1,230                |                   | 21,344       |  |          |                          | 16   |
| 4,432,200                | _             | 6,543,032                 | 1,250                | -                 | 21,544       |  |          | -                        | 17   |
|                          |               | -                         |                      | 649,108           | 2,726,133    | _  | _        | _                        | 18   |
| _                        | _             | _                         | 853,714              | 1,995,845         | _            | Name to the same t | _        | _                        | 19   |
|                          | _             | _                         |                      | _                 | _            | _  | _        | _                        | 20   |
| 2, 232, 268 <sup>1</sup> | _             | 53, 742, 611 <sup>1</sup> | 854,9441             | 2, 644, 953       | 2,747,477    |  | _        | _                        | 21   |
|                          |               |                           |                      |                   |              |  | 1        |                          |      |
| 84.7271                  | 122,702       | 1,373,3781                | 50, 297 <sup>1</sup> | _                 |              | 11,449   | i –      | -                        | 22   |
|                          | 11,290,000    | _                         | _                    | 336,198           |              | 2,201,727  |          | 284,245                  | 23   |
| 97, 876                  | 682,770       | 720, 325 <sup>2</sup>     |                      | 147,775           | 306,013      | 1,322,685  | 257,414  | 432,239                  | 24   |
| _                        | _             | _                         | 6,578³               | _                 | -            | 14,6234  | _        |                          | 25   |
| 5, 739, 482              | 12,095,472    | 2, 093, 703               | 764, 958             | 483, 973          | 570, 661     | 3, 550, 484  | 257, 414 | 716,484                  | 26   |
|                          |               |                           |                      |                   |              |  |          |                          |      |
| marries .                | _             | 87, 280 <sup>2</sup>      | 279, 252             | 4,236,509         | 6,078,023    | 4,907,137  | _        | _                        | 27   |
| -                        | _             | _                         | _                    | _                 | _            | _  | _        | -                        | 28   |
| Опрове                   | _             | 87, 280                   | 279, 252             | 4, 236, 509       | 6, 078, 023  | 4, 907, 137  | _        | _                        | 29   |
| _                        | _             | -                         |                      | _                 | _            | 32,861   | _        | -                        | 30   |
| 7, 971, 750              | 12, 095, 472  | 55, 923, 594              | 1,899,154            | 7, 365, 435       | 9, 396, 161  | 8,490,482  | 257, 414 | 716, 484                 | 31   |
| 6.86                     | 10.41         | 48.16                     | 1.64                 | 6.34              | 8.09         | 7.31   | 0.22     | 0.62                     | 32   |



Fuel Used to Generate Electricity, 1968 - Concluded

| No. |  |                   | Canada        | New-<br>foundland | Prince<br>Edward<br>Island | Nova<br>Scotia |
|-----|--|-------------------|---------------|-------------------|----------------------------|----------------|
|     | Electric utilities - Publicly and pri- |                   |               |                   |                            |                |
|     | vately-operated—Concluded:             |                   |               |                   |                            |                |
|     | Average B.t.u. content of fuel:        |                   |               |                   |                            |                |
|     | Coal:                                  |                   |               |                   |                            |                |
| 1   | Bituminous - Canadian                  | per pound         | 12,745        | -                 | -                          | 12,713         |
| 2   | Imported                               | 4.4               | 13,273        | -                 | -                          | _              |
| 3   | Sub-bituminous                         | 4.4               | 8,018         | -                 | -                          | -              |
| 4   | Saskatchewan lignite                   | 4.6               | 6,672         | -                 | -                          | _              |
| 5   | Other                                  |                   | -             | -                 | -                          | _              |
|     | Petroleum fuels:                       |                   |               |                   |                            |                |
| 6   | Furnace fuel oil - Light p             | er Imn gal        | 159, 289      | _                 | _                          | 165,007        |
| 7   | Heavy                                  | "                 | 181,048       | 180,320           | 182,488                    | 180, 436       |
| 8   | Diesel fuel oil                        | 4.4               | 165,214       | 165,538           | 172,200                    | 163, 800       |
| 9   | Other                                  | 4.6               |               | _                 | - 1,2,200                  | 103,000        |
|     | · · · · · · · · · · · · · · · · · · ·  |                   |               |                   |                            |                |
|     | Gas:                                   |                   |               |                   |                            |                |
| 10  | Natural pe                             | r stand. cu. ft.5 | 1,014         |                   | _                          | _              |
| 11  | Manufactured                           |                   | -             | _                 | -                          | _              |
| 12  | Other fuels - Propane per              | stand. cu. ft.5   | 2,500         | _                 | _                          | _              |
|     |  |                   |               |                   |                            |                |
|     | Energy generated:6                     |                   |               |                   |                            |                |
|     | By coal:                               |                   |               |                   |                            |                |
| 13  | Bituminous - Canadian                  | '000 kwh.         | 3,593,267     | - 1               | -                          | 1,238,263      |
| 14  | Imported                               | 6 6               | 13,829,736    | -                 | -                          | ween           |
| 15  | Sub-bituminous                         | 6.6               | 3,642,239     | -                 | -                          |                |
| 16  | Saskatchewan lignite                   | 6.6               | 1,376,972     | -                 | -                          | _              |
| 17  | Other                                  |                   | -             | -                 | -                          | _              |
| 18  | Total coal                             | '000 kwh.         | 22, 442, 214  | -                 | -                          | 1, 238, 263    |
|     | By petroleum fuels:                    |                   |               |                   |                            |                |
| 19  | Furnace fuel oil-Light                 |                   | 108,504       | AANA              | _                          | 881            |
| 20  | Heavy                                  | 4.4               | 6,427,864     | 60,988            | 198,754                    | 750,063        |
| 21  | Diesel fuel oil                        | 4.4               | 412,842       | 62,118            | 284                        | 15,122         |
| 22  | Other                                  | 6.4               | - 908         | _                 | _                          |                |
| 23  | Total petroleum fuels                  | 4.4               | 6, 948, 302   | 123, 106          | 199, 038                   | 766, 066       |
|     |  |                   |               |                   |                            |                |
| 0.4 | By Gas:                                |                   |               |                   |                            |                |
| 24  | Natural                                | 4.4               | 6,315,378     | -                 |                            |                |
| 25  | Manufactured                           |                   |               |                   | - !                        | _              |
| 26  | Total gas                              | '000 kwh.         | 6, 315, 378   | _                 | -                          | _              |
| 27  | By other fuels                         | 4 6               | 862,724       | _                 | _                          | _              |
| 28  | Total all fuels                        | 6 6               | 36, 568, 6189 | 123, 106          | 199, 038                   | 2,004,329      |
| 29  | Per cent of total for Canada           |                   | 100.0         | 0.34              | 0.54                       | 5.48           |
|     |  |                   | 100.0         | 0.01              | 0,01                       | 0. 10          |

<sup>&</sup>lt;sup>1</sup> Fuel oil used in coal-fired stations for initial steam-raising: no resulting generation (622,313 Imp. gals. in New Brunswick, 1,844,090 Imp. gals. in Ontario and 167,266 Imp. gals. in Manitoba).

<sup>2</sup> Fuel oil used in gas-fired station as pilot—100,000 Imp. gals.

<sup>3</sup> Jet fuel.

<sup>4</sup> Crude oil.

<sup>5</sup> Standard Cubic Foot—760 mm. Mercury 60° F.



Fuel Used to Generate Electricity, 1968 - Concluded

| New<br>Brunswick | Quebec      | Ontario              | Manitoba              | Saskat-<br>chewan | Alberta          | British<br>Columbia | Yukon                                   | Northwest<br>Territories | No.      |
|------------------|-------------|----------------------|-----------------------|-------------------|------------------|---------------------|---|--------------------------|----------|
|                  |             |                      |                       |                   |                  |                     |   |                          |          |
|                  |             |                      |                       |                   |                  |                     |   |                          |          |
| 11,900           |             | 13,100               | 12 500                |                   | 10.000           |                     |   |                          |          |
| -                | _           | 13,100               | 13,500                |                   | 10,000           |                     | _                                       | _                        | 1        |
| _                | _           | -                    | _                     | 8,600             | 7,969            |                     | _                                       | _                        | 3        |
| Quinter          |             | _                    | 7,143                 | 6,600             | _                | _                   | _                                       | - American               | 4        |
| -                |             | _                    | _                     | _                 | _                | _                   | ***                                     | _                        | 5        |
|                  |             |                      |                       |                   |                  |                     |   |                          |          |
| 167,000          | 169,453     | 157, 453             | 166,792               | _                 | -                | 169,000             | _                                       | _                        | 6        |
| 185,417          | 179,085     | -                    | ****                  | 180,000           | 172,334          | 181,819             | _                                       | 168,381                  | 7        |
| 164,903          | 163,603     | 164,118              | 165,145               | 177,770           | 163,128          | 164,129             | 163,959                                 | 165,009                  | 8        |
|                  | _           |                      | 150, 000 <sup>3</sup> | -                 | _                | 159,4404            | _                                       | _                        | 9        |
|                  |             | 1 000                | 1 000                 | 0.50              |                  |                     |   |                          |          |
|                  | _           | 1,002                | 1,030                 | 953               | 1,031            | 1,047               |   | _                        | 10       |
|                  | _           |                      | _                     | _                 | _                | _                   | _                                       | -                        | 11       |
| -                |             | _                    | -                     | _                 | _                | 2,500               | -                                       | _                        | 12       |
|                  |             |                      |                       |                   |                  |                     |   |                          |          |
| 402 005          |             | 4 050 544            |                       |                   |                  |                     |   |                          |          |
| 493,827          | -           | 1,856,511            | - 10                  | _                 | 4,676            | -                   | -                                       | -                        | 13       |
|                  | _           | 13,829,736           | aming                 | 720 445           | 2 402 704        | _                   | _                                       | -                        | 14       |
|                  | _           |                      | 191,529               | 238, 445          | 3,403,794        | _                   | _                                       | _                        | 15       |
| _                |             | _                    | -                     | 1,100,110         | _                | -                   | *************************************** | _                        | 16       |
| 493, 8271        | _           | 15, 686, 2471        | 191,519 <sup>1</sup>  | 1, 423, 888       | 3, 408, 470      |                     | _                                       | -                        | 17       |
|                  |             | 13,000,011           | 101,015               | 1, 125, 000       | 3, 400, 410      | -                   | _                                       |                          | 18       |
| 1                | 18,937      | 97 0901              | 0501                  |                   |                  |                     |   |                          |          |
| 1,579,139        | 3,092,164   | 87,6391              | 856¹<br>—             | 00 000            | 72 170           | 191                 | _                                       | - 04 000                 | 19       |
| 9,179            | 59,685      | 52, 225 <sup>2</sup> | 32,437                | 90,898<br>23,588  | 73,179<br>25,044 | 558,676<br>105,186  | 11 251                                  | 24,003<br>16,623         | 20       |
| _                | -           | -                    | 160 <sup>3</sup>      | 25, 500           | 20,044           | - 1, 0684           | 11,351                                  | 10,043                   | 21<br>22 |
| 1, 588, 318      | 3, 170, 786 | 139, 864             | 33, 453               | 114 400           | 00.000           |                     | 44 084                                  | 40.000                   |          |
| 1,000,010        | 3,110,100   | 133, 804             | 33, 433               | 114, 486          | 98, 223          | 662,985             | 11, 351                                 | 40, 626                  | 23       |
|                  |             | 05.0502              | E0 044                | 1 451 051         | 0 540 050        | 0.000.000           |   |                          |          |
|                  | _           | 27, 370 <sup>2</sup> | 78, 241               | 1,451,654         | 2,549,251        | 2,208,862           | -                                       | _                        | 24       |
| -                | _           | 27,370               | 78,241                | 1, 451, 654       | 2,549,251        | 2, 208, 862         |   |                          | 25       |
|                  |             | 27,010               | 10,21                 | 1, 101, 004       | w, 010, 201      | w, 200, 002         | _                                       | _                        | 26       |
| _                |             | 858, 3617            | -                     | _                 | -                | 4,3638              | -                                       |                          | 27       |
| 2, 082, 145      | 3, 170, 786 | 16, 711, 842         | 303, 2139             | 2, 990, 028       | 6, 055, 944      | 2, 876, 210         | 11,351                                  | 40, 626                  | 28       |
| 5.69             | 8.67        | 45.70                | 0.83                  | 8.18              | 16.56            | 7.87                | 0.03                                    | 0.11                     | 29       |

<sup>Net generation after deducting station service.
Nuclear.
Propane.
Excluding 1,939,000 Kwh. for which fuel data are not available.</sup> 



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ENERGY

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 39

July 17, 1969

Sales of Natural Gas May 1969, Catalogue No 55-602

Total sales of Natural gas to Canadian consumers for May were 59,955,538 Mcf. This was an increase of 3.2% over the same month last year. Revenue from sales was \$37,231,299.

Sales to residential customers accounted for 21.4%, to industrial customers 61.7% and to commercial customers 16.9%.



Sales of Natural Gas, May 1969

|                  | Custom                          | ers       | 011          | D            |
|------------------|---------------------------------|-----------|--------------|--------------|
|                  | Space heating                   | Total     | Gas sold     | Revenue      |
|                  | No.                             |           | Mcf.         | \$           |
| Residential      |                                 |           |              |              |
| New Brunswick    | 130                             | 1,724     | 2,833        | 9,679        |
| Quebec           | 104, 286                        | 207,600   | 567,888      | 1,120,442    |
| Ontario          | 574,308                         | 709,443   | 6,065,105    | 7, 554, 605  |
| Manitoba         | 106,282                         | 108,554   | 913,693      | 863,023      |
| Saskatchewan     | 118,975                         | 121,382   | 1,321,321    | 1,168,580    |
| Alberta          | 263,118                         | 265,454   | 2, 967, 737  | 1,860,529    |
| British Columbia | 182,698                         | 199, 794  | 1,013,330    | 1,562,617    |
| Canada           | 1,349,797                       | 1,613,951 | 12,851,907   | 14, 139, 475 |
| Industrial       |                                 |           |              |              |
| New Brunswick    |                                 | -         | -            | _            |
| Quebec           |                                 | 2,064     | 3, 102, 704  | 1,505,403    |
| Ontario          |                                 | 8,335     | 15,913,205   | 8,567,202    |
| Manitoba         |                                 | 293       | 1,480,982    | 427,719      |
| Saskatchewan     |                                 | 627       | 3,314,516    | 954, 296     |
| Alberta          |                                 | 545       | 9,190,854    | 1,707,899    |
| British Columbia |                                 | 306       | 3,980,302    | 1,366,684    |
| Canada           |                                 | 12,170    | 36,982,563   | 14,529,203   |
|                  |                                 |           |              | ,,           |
| Firm             | 1                               | 11,480    | 28,618,919   | 11,417,023   |
| Interruptible    | • • • • • • • • • • • • • • • • | 690       | 8,363,644    | 3,112,180    |
| Commercial       |                                 |           |              |              |
| New Brunswick    |                                 | 70        | 1,784        | 3,771        |
| Quebec           |                                 | 10,302    | 480,626      | 573,598      |
| Ontario          |                                 | 65, 788   | 4,570,257    | 4,099,601    |
| Manitoba         |                                 | 10,511    | 684,370      | 492,424      |
| Saskatchewan     |                                 | 16,740    | 679,892      | 431,632      |
| Alberta          |                                 | 29,991    | 2,587,192    | 1,069,198    |
| British Columbia |                                 | 25,663    | 1,116,947    | 1,892,397    |
| Canada           |                                 | 159,065   | 10,121,068   | 8,562,621    |
|                  |                                 | 159,005   | 10,121,000   | 0,502,021    |
| Total sales      |                                 |           |              |              |
| New Brunswick    |                                 | 1,794     | 4,617        | 13,450       |
| Quebec           |                                 | 219,966   | 4, 151, 218  | 3, 199, 443  |
| Ontario          |                                 | 783,566   | 26,548,567   | 20, 221, 408 |
| Manitoba         |                                 | 119,358   | 3,079,045    | 1,783,166    |
| Saskatchewan     |                                 | 138,749   | 5,315,729    | 2,554,508    |
| Alberta          |                                 | 295,990   | 14, 745, 783 | 4,637,626    |
| British Columbia |                                 | 225, 763  | 6,110,579    | 4,821,698    |
| Canada           |                                 | 1,785,186 | 59,955,538   | 37, 231, 299 |
| Total exports    | a                               |           | 55,640,367   | 14,341,976   |
| Total imports    |                                 |           | 4,101,573    | 1,789,917    |



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\$5.00 A YEAR

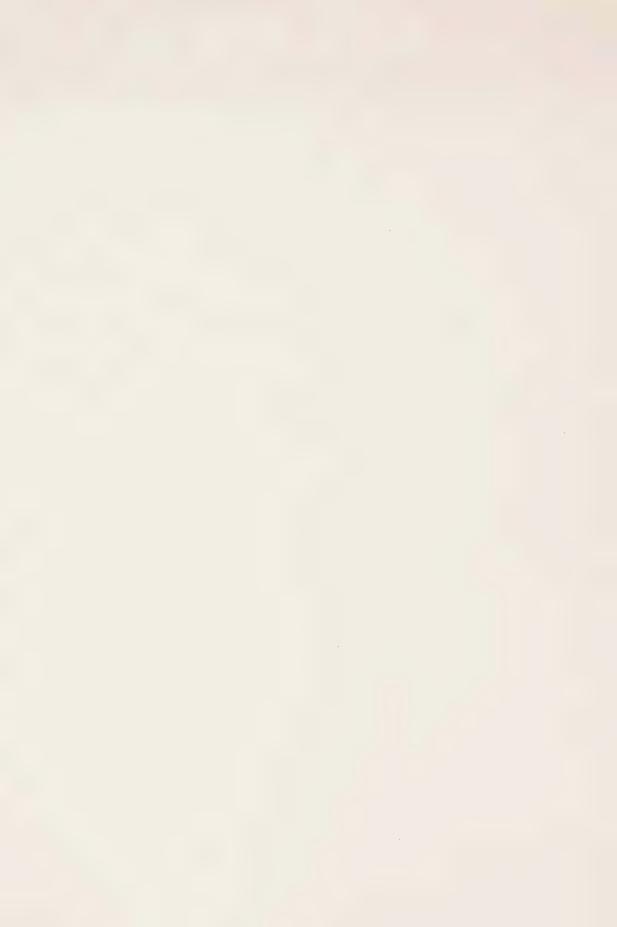
Catalogue No. 57-002 Vol. 4, No. 40 July 23, 1969

Refined Petroleum Products, May 1969



Production of refined petroleum products decreased 0.8% in May to 30,373,091 barrels from 30,605,645 in the same month last year, according to an advance release of data that will be contained in the May issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil decreased 6.6% in May to 30,709,235 barrels from 32,868,925 a year earlier. There was 7.1% less domestic crude at 18,244,626 barrels versus 19,639,487 and, 5.8% less imported crude at 12,464,609 barrels versus 13,229,438. Domestic disappearance of finished petroleum products decreased 0.9% to 38,969,875 barrels from 39,325,479 in the same month last year.



Refinery Production In Canada Of Selected Petroleum Products, May 1969

|                                  | Motor      | Xorosono  |            | Fuel oil      |                  |            | Total all           | products                        |
|----------------------------------|------------|-----------|------------|---------------|------------------|------------|---------------------|---------------------------------|
|                                  | gasoline   | Stove oil | Diesel     | Light         | Heavy            | products   | Cumulative<br>1969P | Cumulative<br>1968 <sup>r</sup> |
|                                  |            |           | q          | barrels of 35 | Canadian gallons | suo        |                     |                                 |
| Newfoundland                     | (1)        | (1)       | ı          | (1)           | (1)              | (1)        | (1)                 | (1)                             |
| Maritimes                        | 1,013,598  | 210,975   | (2)        | 715,557       | 932,411          | 3,589,742  | 19,142,077          | 14,174,274                      |
| Quebec                           | 2,324,900  | 357,611   | 1,150,657  | 1,277,585     | 2,020,580        | 8,183,866  | 55,835,126          | 56,018,043                      |
| Ontario                          | 3,037,098  | 337,681   | 1,055,994  | 1,319,411     | 1,198,426        | 9,087,990  | 50,599,732          | 50,783,291                      |
| Manitoba                         | 513,952    | 33,853    | 229,643    | 26,199        | 65,943           | 1,029,439  | 6,276,871           | 6,312,588                       |
| Saskatchewan                     | 836,886    | 122,727   | 370,875    | 46,454        | 109,421          | 1,786,428  | 9,027,116           | 9,303,314                       |
| Alberta                          | 1,623,535  | 32,843    | 882,873    | 113,572       | 145,668          | 3,439,202  | 16,142,700          | 14,903,045                      |
| British Columbia                 | 1,299,013  | 137,567   | 925,205    | 117,375       | 324,960          | 3,179,414  | 15,576,789          | 16,996,110                      |
| North West Territories and Yukon | 74         |           | 3,710      | 16,832        | 27,563           | 77,010     | 314,233             | 298,213                         |
| Can.da totals                    | 10,649,056 | 1,233,257 | 4,618,957  | 3,632,955     | 4,825,002        | 30,373,091 | 1                   | t                               |
| Canada cumulative 1969           | 60,302,712 | 9,097,070 | 18,436,700 | 28,418,442    | 32,885,032       | ŧ          | 172,914,644         | t                               |
| Canada cumulative 1968           | 58,493,944 | 8,860,783 | 19,076,483 | 28,159,691    | 31,644,246       | ī          | t                   | 168,788,878                     |
| (1) Included with Maritimes.     | mes.       |           |            |               |                  |            |                     |                                 |

(2) Included with Quebec.

Preliminary figures.

Revised figures.



NET SALES In Canada Of Selected Petroleum Products, May 1969

| 2,344,104<br>1,903,544<br>1,903,544<br>115,589<br>48,572<br>- 19,649<br>306,937<br>5,484,752 | 11.903<br>17.2,344<br>2,344<br>1,903<br>11.5<br>11.5<br>17.6<br>17.6<br>17.6<br>17.6<br>17.6<br>17.6                          | e oil Diesel Ligh Barrels of Barrels of 1,251 174,995 172 172 172 174,995 172 172 174,995 175 176,264 294,663 115,875 564,139 48 15,573 175 175 175 175 175 175 175 175 175 175                  | 101,251  |
|--|---|--|--|
| 52,176,120 40,968,774  |   | 52,176,120   | 76,161 16,878,469 52,176,120   |
|  |   |  |  |
|  | _   |  |  |
|  | Baa<br>174,995<br>356,965<br>648,860<br>903,184<br>564,139<br>646,320<br>646,320<br>646,320<br>15,573<br>15,573<br>16,878,469 | 1, 251 174, 999<br>18, 635 356, 965<br>19, 611 903, 186<br>16, 264 294, 666<br>17, 782 646, 32<br>17, 782 646, 32<br>2, 394 15, 57<br>2, 394 15, 57<br>40, 809 4, 260, 14<br>76, 161 16, 878, 46 | 101,251<br>218,076<br>228,635<br>119,611<br>36,264<br>25,875<br>17,782<br>90,921<br>2,394<br>2,394<br>2,394<br>2,394 |



IMPORTS Into Canada Of Selected Petroleum Products, May 1969

|                                    | Motor                      | Kerosene               |                                   | Fuel Oil                      |  | Total all                                    |
|------------------------------------|----------------------------|------------------------|-----------------------------------|-------------------------------|--|--|
|                                    | gasoline                   | Stove oil              | Diesel                            | Light                         | Heavy                                      | products                                     |
|                                    |                            | barr                   | els of 35                         | Canadian gal                  | lons                                       |  |
| Maritimes Quebec Ontario All other | 35,967<br>-<br>-<br>10,934 | 53,605<br>-<br>-<br>92 | 112,400<br>208,723<br>-<br>10,722 | 722,776<br>748,093<br>234,589 | 694,231<br>1,727,088<br>205,634<br>237,747 | 1,771,982<br>2,985,122<br>668,896<br>302,213 |
| Canada total                       | 46,901                     | 53,697                 | 331,845                           | 1,705,458                     | 2,864,700                                  | 5,728,213                                    |

## EXPORTS Of Selected Petroleum Products, May 1969

|                | Motor    | Kerosene  |           | Fuel Oil     |        | Total all        |
|----------------|----------|-----------|-----------|--------------|--------|------------------|
|                | gasoline | Stove oil | Diesel    | Light        | Heavy  | products         |
|                |          | barr      | els of 35 | Canadian gal | lons   |                  |
| aritimes       | -        | -         | 1,512     | -            | -      | 1 555            |
| ntario         | -        | 3,905     | -         | 93,571       | 13,931 | 1,555<br>159,151 |
| lberta         | 65,811   | -         | 32,855    | 1/. 270      | 684    | 684              |
| 100 000000     | 03,011   | -         | 32,633    | 14,270       | -      | 139, 288         |
| . Canada total | 65,811   | 3,905     | 34,367    | 107,841      | 14,615 | 300,678          |



## ERVICE BULLETIN



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Catalogue No. 57-002 Vol. 4, No. 41 July 24, 1969

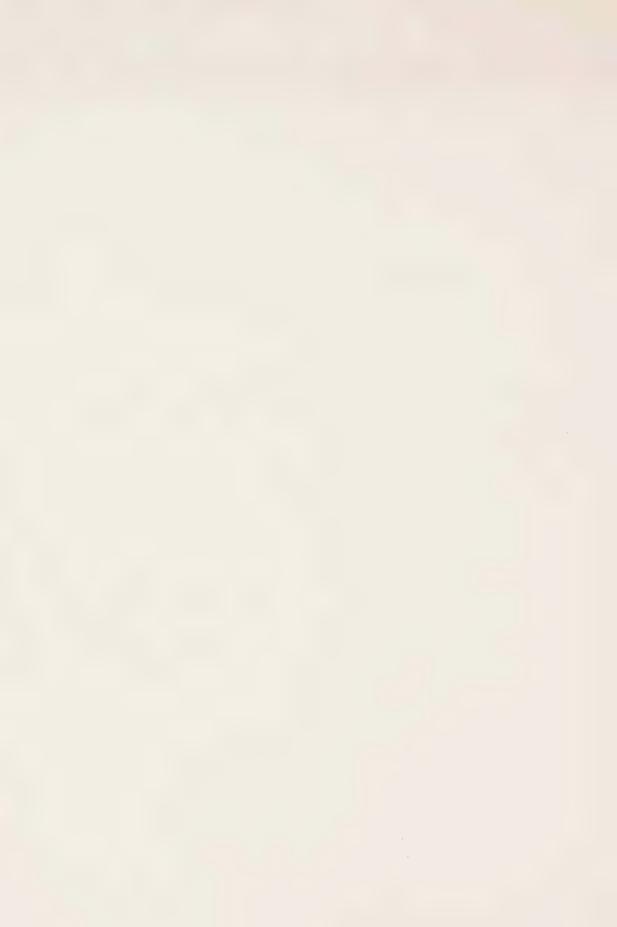
#### PRELIMINARY (1) REPORT ON COAL PRODUCTION

JUNE 1969

Preliminary data indicate that coal production for the month of June 1969 amounted to 672,963 tons, a decrease of 14.2% from the June 1968 preliminary production figure of 784,723 tons. Landed imports were 2,249,558 tons compared with 1,788,173 tons for the same period last year.

(1) Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.





#### Production and Landed Imports of Coal, by Provinces

|  |  |   | T T  |   |
|--|--|---|--|---|
|  | 1968   |   | 1969   |   |
|  | Production(2)  | Landed(1) imports   | Production(2)  | Landed(1) imports   |
|  | n  | et tons of 2,   | 000 pounds   |   |
| June Newfoundland  |  |   |  |   |
| Nova Scotia  New Brunswick  Quebec  Ontario  Manitoba  Saskatchewan  Alberta - Bituminous  Sub-bituminous  British Columbia and Yukon      | 238,413<br>56,190<br>-<br>-<br>127,479<br>69,457<br>199,341<br>93,843          | 72,994<br>17<br>72,290<br>1,642,120<br>554<br>115<br>-<br>-<br>83 | 204,095<br>39,392<br>-<br>-<br>107,243<br>117,869<br>143,413<br>60,951         | 42,491<br>51<br>79,660<br>2,125,759<br>1,324<br>193<br>-<br>80              |
| Canada totals  | 784,723  | 1,788,173   | 672,963  | 2,249,558   |
| Six months ended June  |  |   |  |   |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 1,675,771<br>364,276<br>-<br>-<br>1,238,951<br>488,561<br>1,395,386<br>492,221 | 5,874<br>296,479<br>449<br>247,036<br>5,516,902<br>953<br>1,338   | 1,537,192<br>319,971<br>-<br>-<br>1,009,828<br>586,223<br>1,612,527<br>448,014 | 3,508<br>328,122<br>308<br>293,274<br>6,260,982<br>3,508<br>859<br>-<br>381 |
| Canada totals  | 5,655,166  | 6,069,238   | 5,513,755  | 6,890,942   |

<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.



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Catalogue No. 57-002 Vol. 4 No. 42 July 25, 1968

#### Consumption of Petroleum Products 1967

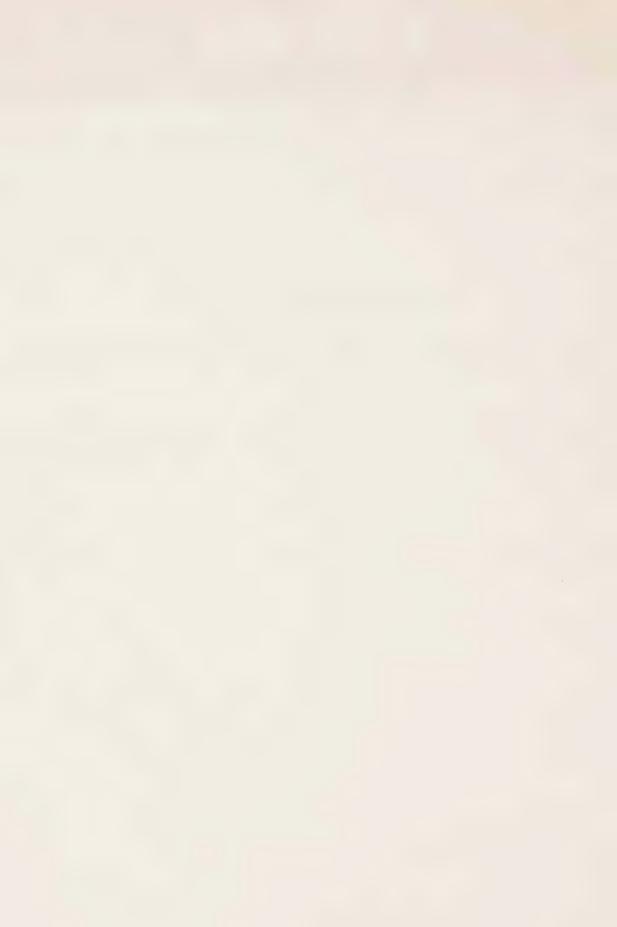
In 1967, the total sales of Refined Petroleum Products (excluding Liquefied Petroleum Gases) increased 7.0 per cent over the 1966 figures, the major gains being in the Maritimes and Quebec.

The road transport fuel market continues to hold the majority of sales of refined petroleum products with close to 30 per cent of total disposition, while the aviation sector shows the largest share of increase (22.8 per cent over 1966).

Following are disposition tables of selected products.

Complete product sales by consumer catogery will be published in Catalogue number 45-208 - Refined Petroleum Products Volume II, 1967.





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| Category,  |
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| Petroleum  |
| Kerined    |
| or_ r      |
| Sales      |
| ואבר ס     |
| 9          |
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Northwest

TABLE 2. Net Sales of Motor Gasoline, 1967

| Canada                                     |                                | 84,210 104,436,970   | 12,135 17,531,345 | 0 1,517,070  | 2 7,994,056               | 51,841 11,193,665 | 171,338 142,673,106             |
|--|--------------------------------|----------------------|-------------------|--|---------------------------|-------------------|---------------------------------|
| Northwest<br>Terri-<br>tories<br>and Yukon |                                | 84,210               | 12,13             | 16,130   | 7,022                     | 51,84             | 171,330                         |
| British<br>Columbia                        |                                | 7,949,633 10,517,043 | 750,908           | 191,700  | 656,139                   | 1,908,133         | 14,023,923                      |
| Alberta                                    | 8                              |                      | 4,209,594         | 214,251  | 573,568                   | 1,238,073         | 9,495,118 14,185,119 14,023,923 |
| Saskat-<br>chewan                          | barrels of 35 Canadian gallons | 4,829,071            | 3,990,847         | 102,873  | 213,025                   | 359,302           |                                 |
| Manitoba                                   | ls of 35 Can                   | 4,622,156            | 1,586,810         | 100,604  | 305,450                   | 433,409           | 7,048,429                       |
| Ontario                                    | barre                          | 39,402,688           | 4,570,068         | 529,995  | 3,817,873                 | 3,992,766         | 52,313,390                      |
| Onepec                                     |                                | 28,419,078           | 1,540,684         | 238,511  | 2,167,645                 | 2,392,392         | 34,758,310                      |
| Maritimes                                  |                                | 7,133,918            | 803,439           | 115,703  | 223,631                   | 588,670           | 8,865,361                       |
| Newfound-<br>land                          |                                | 1,479,173            | 66,860            | 7,303  | 29,703                    | 229,079           | 1,812,118                       |
| Disposition                                |                                | Retail pump outlets  | Parms             | Federal and provincial governments, armed forces and police forces | Commercial transportation | Other             | Total sales                     |



| Canada                        |                        | 36,122   14,802,986  | 1,420,477        | 261,055       |   | 158,136                 | 1,495,171 | 1,923,302        | 655,774     | 238,576 19,312,231 |
|-------------------------------|------------------------|--|------------------|---------------|---|-------------------------|-----------|------------------|-------------|--------------------|
| Northwest<br>Terri-<br>tories |                        | 36,122   | 11,900           | 73,254        |   | 18                      | 50,037    | 413,929          | 80          | 238,576            |
| British<br>Columbia           |                        | 260,446   1,214,524  | 100,130          | 31,962 38,849 |   | 107.849                 | 177,563   | 338,250          | 61,256      | 1,805,948          |
| Alberta                       |                        | 260,446  | 86,955           | 13,243        |   | 3,4/4                   | 86,009    | 97,145           | 13,803      | 480,595            |
| Saskat-<br>chewan             | of 35 Canadian gallons | 1,036,482  | 205,259          | 12,812        | 7   | 4,140                   | 60,530    | 68,838           | 11,631      | 1,366,901          |
| Manitoba                      | s of 35 Cana           | 778,770  | 113,453          | 24,659        |   | 13,288                  | 134,826   | 149,734          | 24,271      | 1,098,575          |
| Ontario                       | barrels                | 2,503,467  | 412,040          | 34,857        | 6   | 35,253                  | 441,796   | 496,056          | 45,269      | 3,535,443          |
| Quebec                        |                        | 5,189,241  | 264,704 50,766   | 29,848        | 07  | 34,589                  | 443,631   | 540,495          | 306,130     | 6,384,925          |
| Maritimes                     |                        | 2,700,886  | 140,710 8,473    | 12,524 2,708  | L 20  | 1,653                   | 64,312    | 73,797           | 159,292     | 3,098,390          |
| Newfound-<br>land             |                        | 1,083,048  | 85,326<br>24,972 | 27,896        | 6 03  | 1,659                   | 36,467    | 45,061           | 34,042      | 1,302,878          |
| Disposition                   |                        | Residential, apartment and farm use Commercial heating (excluding apart- | Railways         | forces        | Industrial/commercial (excluding commercial heating): (a) Forest products | (b) Mining and smelting | (c) Other | Total industrial | Sales other | Total sales        |

. ...... Jet sales of Kerosene, Stove Oil and Tractor Fuel, 1967

TABLE 4. Net Sales of Diesel Fuel Oil, 1967

| Northwest<br>Terri-<br>tories Canada |                        | 23,723   5,922,985                  | - 245,585 | 6,169 11,829,418<br>9,808 241,188     | 15,977 12,070,606 | 85,648 1,705,282<br>89,809 5,422,896                                | 178 1,980,559<br>15,542 1,557,411<br>121,014 6,524,211                     | 136,734 10,062,181 | 5,889 4,304,946<br>14,763 1,170,796 | 1,288 226,096 | 373,831 41,131,373 |
|--------------------------------------|------------------------|-------------------------------------|-----------|---------------------------------------|-------------------|---|--|--------------------|-------------------------------------|---------------|--------------------|
| British Te<br>Columbia to            |                        | 357,622                             | 3,131     | 1,223,888 5,118                       | 1,229,006         | 344,457   | 1,082,656<br>212,143<br>1,531,834  | 2,826,633          | 567,998                             | 622           | 6, 695, 728        |
| Alberta                              | S                      | 1,182,755                           | 4,743     | 1,856,407                             | 1,857,694         | 175,281   | 59,771<br>284,367<br>1,159,197   | 1,503,335          | 508,810 272,844                     | 16,391        | 5,527,115          |
| Saskat-<br>chewan                    | of 35 Canadian gallons | 1,672,454                           | 15,096    | 1,039,073                             | 1,039,073         | 67,465  | 3,345<br>83,678<br>456,701   | 543,724            | 288,891                             | 68,886        | 3,825,171          |
| Manitoba                             | ls of 35 Can           | 725,373                             | 7,769     | 1,026,683                             | 1,028,656         | 202,027   | 7,919<br>31,202<br>332,041   | 371,162            | 285,427                             | 17,694        | 2,731,174          |
| Ontario                              | barrels                | 836,363                             | 125,785   | 3,040,903                             | 3,101,829         | 200,961   | 371, 915<br>391, 609<br>1,273,065  | 2,036,589          | 1,488,080                           | 1,887         | 8,435,756          |
| Quebec                               |                        | 672,118                             | 75,082    | 2,654,287                             | 2,764,763         | 260,532   | 368,479<br>456,769<br>630,858  | 1,456,106          | 1,094,279                           | 56,769        | 7,785,722          |
| Maritimes                            |                        | 370,128                             | 12,722    | 858,470                               | 863,727           | 256,475   | 52,709<br>26,266<br>303,910  | 382,885            | 52,583 24,254                       | 50,941        | 3,442,738          |
| Newfound-<br>land                    |                        | 82,449                              | 1,257     | 123,538                               | 169,881           | 112,436   | 33,587<br>55,835<br>715,591  | 805,013            | 3,381                               | 11,618        | 2,314,138          |
| Disposition                          |                        | Residential, apartment and farm use | ments)    | Railways: (a) Locomotive running fuel | Totals            | Governments, police forces and armed forces Marine (excluding Navy) | Industrial/commercial (excluding commercial heating):  (a) Forest products | Total industrial   | Coumercial transportation           | Sales other   | Total sales        |



| Canada                                     |                                | 62,355   61,463,459                 | 11,666,428     | 1,484,482 |  | 416,846             | 1,186,318 5,376,135 | 6,979,299        | 2,815,973   | 84,912,411  |
|--|--------------------------------|-------------------------------------|----------------|-----------|--|---------------------|---------------------|------------------|-------------|-------------|
| Northwest<br>Terri-<br>tories<br>and Yukon |                                | 62,355                              | 28,255 2,713   | 124,776   |  | 80                  | 41,370              | 142,441          | 33          | 360,740     |
| British<br>Columbia                        |                                | 3,535,163                           | 758,845        | 109,328   |  | 77,166              | 63,215<br>270,984   | 411,365          | 9,324       | 4,846,550   |
| Alberta                                    |                                | 665,784                             | 65,960         | 13,761    |  | 10,537              | 75,634<br>84,730    | 170,901          | 8,079       | 946,353     |
| Saskat-<br>chewan                          | barrels of 35 Canadian gallons | 1,253,472                           | 112,079        | 29,310    |  | 4,946               | 81,393              | 151,283          | 5,721       | 1,584,040   |
| Manitoba                                   | s of 35 Cana                   | 1,584,202                           | 111,388 22,920 | 50,304    |  | 5,049               | 144,874             | 170,124          | 13,061      | 1,951,999   |
| Ontario                                    | barrel                         | 26,171,715   1,584,202   1,253,472  | 5,243,158      | 576,108   |  | 153,031             | 2,354,471           | 2,952,834        | 115,135     | 35,209,845  |
| Quebec                                     |                                | 20,580,417                          | 4,291,455      | 251,411   |  | 114,369             | 1,924,929           | 2,463,172        | 2,278,096   | 30,074,488  |
| Maritimes                                  |                                | 6,474,180                           | 639,329 6,125  | 216,547   |  | 42,525              | 302,236             | 366,754          | 374,111     | 8,089,028   |
| Newfound-<br>land                          |                                | 1,136,171                           | 415,959        | 112,937   |  | 9,135               | 111,535             | 150,425          | 12,413      | 1,849,368   |
| Disposition                                |                                | Residential, apartment and farm use | Railways       | forces    | <pre>Industrial/commercial (excluding com-<br/>mercial heating):</pre> | (a) Forest products | (c) Other           | Total industrial | Sales other | Total sales |

TABLE 6. Net Sales of Heavy Fuel Oil, 1967

| Canada                                     |                                | 5,655,120   | 2,358 18,116,321 - 1,680,459 | 2,369,805<br>10,905,283 |   | 17,104,063              | 10,635,215<br>21,908,564 | 49,647,842       | 3,551,217   | 91,926,047  |
|--|--------------------------------|---|------------------------------|-------------------------|---|-------------------------|--------------------------|------------------|-------------|-------------|
| Northwest<br>Terri-<br>tories<br>and Yukon |                                | ı   | 2,358                        | 3,606                   |   | 0 0                     | 57,629                   | 97,021           | ,           | 102,985     |
| British<br>Columbia                        |                                | 205,474   | 724,953                      | 484,918                 |   | 4,586,825               | 2,492,484                | 7,161,402        | 122,321     | 10,244,257  |
| Alberta                                    |                                | 1   | 173,813                      | 20,865                  |   | 35,071                  | 241,286                  | 336,470          | ı           | 697,235     |
| Saskat-<br>chewan                          | dian gallon                    | 36,801  | 102,263                      | 56,724                  |   | 42,534                  | 383,357                  | 434,727          | 2,611       | 670,569     |
| Manitoba                                   | barrels of 35 Canadian gallons | 49,398  | 223,439                      | 110,467                 |   | 11,175                  | 235,654                  | 483,937          | 12,709      | 915,367     |
| Ontario                                    | barre                          | 1,478,208   | 6,715,540                    | 598,697                 |   | 1,239,521               | 6,845,763                | 13,517,278       | 250,370     | 24,923,189  |
| Onepec                                     |                                | 3,865,953   | 8,314,661 545,365            | 454,187                 |   | 7,556,274               | 8,994,497                | 19,420,577       | 2,193,854   | 39,324,695  |
| Maritimes                                  |                                | 18,669  | 1,699,649                    | 387,815                 |   | 2,282,486               | 2,353,166                | 6,166,429        | 969,276     | 12,087,325  |
| Newfound-<br>land                          |                                | 617   | 159,645                      | 252,526                 |   | 1,350,177               | 304,728                  | 2,030,001        | 192         | 2,960,425   |
| Disposition                                |                                | Kesidential, apartment and farm use<br>Commercial heating (excluding apart- | Mailways                     | forces                  | Industrial/commercial (excluding commercial heating): | (b) Mining and smelting | (c) Other                | Total industrial | Sales other | Total sales |



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Catalgue No. 57-002 Vol. 4, No. 43

July 28, 1969

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| 1. | Coal and Coke Statistics, May 1969, Catalogue No. 45-002  | 1    |
| 2. | Oil Pipe Line Transport, March 1969, Catalogue No. 55-001 | 3    |

1. Coal and Coke Statistics, May 1969, Cat. No. 45-002

Coal production for the month of May 1969 amounted to 764,835 tons a decrease of 16.7% from the May 1968 production of 918,413 tons, while landed imports were 2,431,757 tons compared with 2,266,463 tons for the month of May 1968. Consumption by industrial consumers amounted to 1,066,956 tons of coal and 565,378 of coke, a decrease of 167,047 tons of coal and an increase of 38,110 tons of coke from last year.

Industrial consumers' stocks of coal and coke decreased to 4,517,841 tons from 4,723,625 tons in May 1968.

Coke production during the month of May 1969 increased to 517,501 tons from 493,419 tons in May 1968, while coke used in blast furnaces increased to 399,663 tons from 391,698 tons during the same period.

Coal and Coke Statistics May 1969

|                         |            | Coke           |   |  |  |  |                         |
|-------------------------|------------|----------------|---|--|--|--|-------------------------|
|                         | Production | Landed imports | Shipments by coal operators (producers) | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks<br>by<br>industr |
|                         |            |                | 1                                       | tons   |  |  |                         |
| foundland               |            | -              | -                                       | -  | -  | -  |                         |
| nce Edward Island       | -          | -              | -                                       | -  | -  | -  |                         |
| a Scotia                | 239,774    | 48,713         | 216,424                                 | 66,881                                       | 22,540                                       | 47,294                                       |                         |
| Brunswick               | 45,940     | -              | 48,590                                  | 20,471                                       | 36,619                                       | -  |                         |
| bec                     | -          | 121,466        | -                                       | 104,860                                      | 150,965                                      | 63,761                                       | 8                       |
| ario                    | ~          | 2,260,501      | -                                       | 557,417                                      | 3,822,206                                    | 430,282                                      | 10                      |
| itoba                   | -          | 837            | -                                       | 23,635                                       | 85,936                                       | 103  |                         |
| katchewan               | 90,728     | 240            | 90,053                                  | 67,279                                       | 154,048                                      | -  |                         |
| erta                    | 321,344    | -              | 293,551                                 | 214,481                                      | 15,644                                       | 343  |                         |
| tish Columbia and Yukon | 67,049     | -              | 72,247                                  | 11,932                                       | 6,975  | 23,595                                       |                         |
| otal Canada 1969        | 764,835    | 2,431,757      | 720,865                                 | 1,066,956                                    | 4,294,933                                    | 565,378                                      | 2:                      |
|                         |            |                |   |  |  |  |                         |

907,779 1,234,003

4,491,572

527,268

otal Canada 1968 ...... 918,413 2,266,463

#### 2. Oil Pipe Line Transport, March 1969, Cat. No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during March increased 9.8 per cent to 1,965,000 B/D from 1,790,000 B/D for the same period of the preceding year domestic oils amounted to 1,551,000 B/D (up 10.3 per cent) and imported oils were 414,000 B/D (up 7.9 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 10.8 per cent to 1,937,500 B/D from 1,749,300 B/D last year. Included in the month's deliveries were 1,361,800 B/D to domestic points (up 5.7 per cent and 575,700 B/D for export (up 24.9 per cent).

For the three-month period, net receipts of all commodities were 1,921,000 B/D, an increase of 8.0 per cent over the same period of 1968; deliveries rose 8.5 per cent, to 1,915,300 B/D. The imports for the period increased to 415,300 B/D while the exports of the same commodities rose to 548,900 B/D, an increase of 6.4 per cent and 18.2 per cent, respectively.

Total traffic amounted to 28,383 million barrel miles with an average length of haul of 472.5 miles.

Oil held by Canadian pipe line systems totalled 24,679,069 barrels by the end of March. Inventories of crude oil and equivalent held in Canada increased by 812,025 barrels, while inventories held in Canada and the United States increased by 949,192 barrels.

#### Oil Pipe Line Supply and Disposition

|                             |                                | March                                    | Year to date 1969       |                                      |                  |   |  |
|-----------------------------|--------------------------------|--|-------------------------|--------------------------------------|------------------|---|--|
| Supply<br>and<br>Dispostion | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Tot <b>al</b><br>Volume | %<br>change<br>from<br>March<br>1968 | Total<br>Volume  | %<br>change<br>from<br>previous<br>year |  |
|                             |                                |  | ls per day              |                                      |                  |   |  |
| Net receipts                |                                |  |                         |                                      |                  |   |  |
| Domestic                    | 1,280.0<br>411.7               | 271.0                                    | 1,551.0<br>414.0        | + 10.3<br>+ 7.9                      | 1,506.7<br>415.3 | + 8.5<br>+ 6.4                          |  |
| Total net receipts          | 1,691.7                        | 273.3                                    | 1,965.0                 | + 9.8                                | 1,921.0          | + 8.0                                   |  |
| Net deliveries              |                                |  |                         |                                      |                  |   |  |
| Domestic                    | 1,099.2<br>560.6               | 262.6<br>15.1                            | 1,361.8<br>575.7        | + 5.7<br>+ 24.9                      | 1,366.4<br>548.9 | + 5.1<br>+ 18.2                         |  |
| Total net deliveries        | 1,659.8                        | 277.7                                    | 1,937.5                 | + 10.8                               | 1,915.3          | + 8.5                                   |  |
| Inventory change (barrels)  | 949,192                        | - 135,197                                | 813,995                 | -                                    | 342,350          | -                                       |  |



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July 29, 1969

Oil Pipe Line Transport, April 1969, Cat. No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during April increased 1.2 per cent to 1,718,600 B/D from 1,698,900 B/D for the same period of the preceding year; domestic oils amounted to 1,366,700 B/D (up 5.5 per cent) and imported oils were 351,900 B/D (down 12.8 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 0.6 per cent to 1,692,600 B/D from 1,681,800 B/D last year. Included in the month's deliveries were 1,151,900 B/D to domestic points (down 8.9 per cent) and 540,700 B/D for export (up 29.4 per cent).





For the four-month period, net receipts of all commodities were 1,871,100 B/D, an increase of 6.3 per cent over the same period of 1968; deliveries rose 6.6 per cent, to 1,859,700 B/D. The imports by pipeline for the period increased to 399,400 B/D while the exports of the same commodities rose to 546,900 B/D, an increase of 1.5 per cent and 20.8 per cent, respectively.

Total traffic for April amounted to 24,676 million barrel miles with an average length of haul of 485.9 miles.

Oil held by Canadian pipe line systems totalled 25,246,166 barrels by the end of April. Inventories of crude oil and equivalent increased by 533,128 barrels, while inventories held in Canada and the United States increased by 703,122 barrels.

Oil Pipe Line Supply and Disposition

|                            |                                     | Apri1                                    | Year to date 1969 |                                      |                  |                             |  |  |  |  |
|----------------------------|-------------------------------------|--|-------------------|--------------------------------------|------------------|-----------------------------|--|--|--|--|
| Supply and disposition     | Crude<br>oil and<br>equiva-<br>lent | Refined petroleum products and L.P.G.'S. | Total<br>Volume   | %<br>change<br>from<br>April<br>1968 | Total<br>Volume  | % change from previous year |  |  |  |  |
|                            | '000 barrels per day                |  |                   |                                      |                  |                             |  |  |  |  |
| Net receipts               |                                     |  |                   |                                      |                  |                             |  |  |  |  |
| Domestic                   | 1,138.7<br>350.0                    | 228.0<br>1.9                             | 1,366.7<br>351.9  |                                      | 1,471.7<br>399.4 |                             |  |  |  |  |
| Total net receipts         | 1,488.7                             | 229.9                                    | 1,718.6           | + 1.2                                | 1,871.1          | + 6.3                       |  |  |  |  |
| Net deliveries             |                                     |  |                   |                                      |                  |                             |  |  |  |  |
| Domestic                   | 931.6<br>534.3                      |  | 1,151.9<br>540.7  | - 8.9<br>+ 29.4                      | 1,312.8<br>546.9 | + 1.7<br>+ 20.8             |  |  |  |  |
| Total net deliveries       | 1,465.9                             | 226.7                                    | 1,692.6           | + 0.6                                | 1,859.7          | + 6.6                       |  |  |  |  |
| inventory change (barrels) | 703,122                             | 94,306                                   | 797,428           | -                                    | 1,139,778        | -                           |  |  |  |  |



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Catalogue No. 57-002
Vol. 4, No. 45

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1. Preliminary Propane Statistics, January 1969
Catalogue No 57-001

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### 1. Preliminary Propane Statistics January, 1969

Sales of propane to final consumers for January 1969 amounted to 1,278,418 barrels, while 1,016,393 barrels were exported. In addition deliveries for petrochemical and other products were 290,217.

The preliminary estimates of Gas Processing Plant and refinery Supply and Disposition of Propane for January, 1969, represent the first attempt to produce monthly data on output and consumption in an integrated form including product from Gas Processing Plants, Underground Storage and Refineries.

In these estimates the actual physical movement of L.P.G. among the provinces is shown regardless of ownership or origin. Import data classification problems still exist and thus this data should be regarded as provisional.

Due to lack of data, a further breakdown on Sales to Final Consumers is not possible except for the province of Alberta where Residential and Commercial users accounted for 382,725 barrels and 15,297 barrels were sold for industrial purposes.

Confidentiality requires that supply figures for the Atlantic provinces be incorporated with those of Quebec.

Estimates for succeeding months will be issued as they become available in this Bulletin. Comments from users would be welcome in order to assist in making this series as useful as possible.

4-6503-521



Gas Processing Plant and Refinery Propane - Supply and Disposition, January 1969

| Canada   |        | 1,541,058     | 488,771             | 1,024   | 620,981          | 2,651,834                        | 863,625                       | 3,515,459 |             | 22,006                 | (2,141)        | 4,298          | 290,217                           | 1,278,418       | 1,016,393 | 24,615                 | 2,633,806       | 881,653                        | 3,515,459 |
|----------|--------|---------------|---------------------|---------|------------------|----------------------------------|-------------------------------|-----------|-------------|------------------------|----------------|----------------|-----------------------------------|-----------------|-----------|------------------------|-----------------|--------------------------------|-----------|
| Atlantic |        | ı             | ı                   | ŧ       |                  |                                  | 4                             | 1         |             |                        |                |                | 84                                | 42,153          |           | 242                    | 42,479          | 1                              | 42,479    |
| Que.     |        | 1             | 211,299             | 1,059   | 12,985           | 225,343                          | 49,263                        | 274,606   |             | 17,300                 | 1              | 1              | 24,379                            | 187,014         | 9         | (58)                   | 228,641         | 3,486                          | 232,127   |
| Ont.     |        | į             | 208,430             | ı       | 18,758           | 227,188                          | 153,769                       | 380,957   |             | 006                    | á              | 1              | 147,019                           | 232,632         |           | 907                    | 380,957         | 1                              | 380,957   |
| B. C.    |        | 28,448        | 39,436              | (35)    | 50,581           | 118,430                          | 428,604                       | 547,034   |             | 1                      | 1              | ŧ              | t                                 | 187,846         | 346,330   | 8,239                  | 542,415         | 4,619                          | 547,034   |
| S. & M.  |        | 72,784        | 29,606              | ſ       | 303,357          | 405,747                          | 229,240                       | 634,987   |             | 2,724                  | ł              | 1              | ı                                 | 230,751         | 265,805   | 9,034                  | 508,314         | 126,673                        | 634,987   |
| Alta.    |        | <br>1,439,826 | 1                   | 1       | 235,300          | 1,675,126                        | 2,749                         | 1,677,875 |             | 1,082                  | (2,141)        | 4,298          | 118,735                           | 398,022         | 404,252   | 6,752                  | 931,000         | 746,875                        | 1,677,875 |
|          | Supply | to formation  | Refinery production | Imports | Inventory change | L.P.G. available for consumption | Inter-provincial transfers in | Totals    | Disposition | Plant and refinery use | Gas enrichment | Miscible flood | Petrochemical and other producers | Final consumers | Exports   | Losses and adjustments | L.P.G. consumed | Inter-provincial transfers out | Totals    |



- 3 -

# Preliminary Electric Energy Statistics (thousand kwh)

|                                 |            | June                    |            |
|---------------------------------|------------|-------------------------|------------|
|                                 |            | June                    |            |
|                                 | 1967       | 1968                    | 1969       |
|                                 |            |                         |            |
| Net generation - Hydro          | 10,849,620 | 10,553,605 <sup>r</sup> | 12,038,021 |
| Thermal                         | 1,852,407  | 2,748,689°              | 2,509,011  |
| Total net generation            | 12,702,027 | 13,302,294 <sup>r</sup> | 14,547,032 |
| Energy imported from U.S.A      | 328,583    | 253,975                 | 157,352    |
| Energy exported to U.S.A.:      |            |                         |            |
| Firm                            | 50,135     | 58,561                  | 71,671     |
| Secondary                       | 291,239    | 139,059                 | 263,657    |
| Total exported to U.S.A         | 341,374    | 197,620                 | 335,328    |
| Net energy used in Canada       | 12,689,236 | 13,358,649 <sup>r</sup> | 14,369,056 |
| Secondary energy used in Canada | 141,654    | 92,233r                 | 138,276    |
| Firm energy used in Canada      | 12,547,582 | 13,266,416              | 14,230,780 |

r Revised figures.



# 2. Preliminary Electric Energy Statistics, June 1969, Cat. 57-001

Net generation of electric energy increased 9.4% to 14,547,032 thousand Kwh. in June 1969 from 13,302,294 thousand Kwh. in June 1968. There were increases in net generation in all provinces with the exception of Newfoundland where there was a decrease of 16%. Due to favourable water conditions hydro generation was up 14% while output from thermal plants declined 9%.

Imports decreased 38% and exports were up 70% compared with June 1968. Firm energy consumption increased 7.3%.

Total generation for the twelve month period ending June 30, 1969 amounted to 182,982,853 thousand Kwh. compared with 181,738,115r thousand Kwh. for the period ending in May.

Seasonally adjusted, net generation in June amounted to 15,659 million Kwh. compared with 15,816 million Kwh in May. Firm energy consumption amounted to 15,269 million Kwh. on a seasonally adjusted basis, down from 15,438 million Kwh. in May.



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August 18, 1969



<u>Crude Petroleum and Natural Gas Production</u> <u>January 1969; Catalogue No. 26-006</u>

Production of crude petroleum and equivalent hydrocarbons during January 1969 amounted to 36,644,531 barrels (1,182,082 barrels per day), an increase of 20.0 per cent or 196,672 barrels per day from January 1968.

Natural gas production during January 1969 increased 15.4 per cent to 201,856,251 Mcf. from 174,894,943 Mcf. in January 1968.





|   | New<br>Brunswick   | Ontario  | Manitoba                             | Saskat-  | Alberta   | British<br>Columbia                            | Northwest<br>Territories   | Total<br>Canadian<br>Sources                       | Total<br>Foreign<br>Sources | Total<br>all<br>sources   |
|---|--|----------|--------------------------------------|--|---|--|--|--|-----------------------------|---|
| Supply  | and the control of the fact that the control of the |          |                                      | Towns and the same | barrels of 35   | Canadian                                       | gallons  |  |                             |   |
| Domestic production Crude oil Synthetic crude oil Less returned to formation            | 2888   | 95,432   | 523,232                              | 7,611,116  | 23,213,197<br>673,548<br>737,139                                | 1,957,774                                      | 3,580  | 33,486,876<br>673,548<br>740,719                   | 0 0 0<br>0 0 0<br>0 0 0     | 33,486,876<br>673,548<br>740,719  |
| Totals  | 3.<br>3.   | 21.5.1.6 | 23.1.12                              | (,(,1,1,1)   | 13, 150, wee  | 1,50.7.7.18                                    | 81,957   | 15,419,705   |                             | 33,419,705  |
| Condensate  | . 1  |          | 5 8                                  | 30,142   | 3,038,000   | 9,522  | The second secon | 73,099   |                             | 73,099  |
| Net withdrawals   | FISH   | 717,1    | 25,172                               | 7,641,258  | 26,252,643  | 2,049,421                                      | 81,957   | 36,644,531   |                             | 36,644,531  |
| Table ts  |  |          |                                      |  |   |  |  |  | 6, 88, 4/7                  | 16,588,677  |
| Total supply  | 588  | 95,432   | 523,232                              | 7,641,258  | 26,252,643  | 2,049,421                                      | 81,957   | 36,644,531   | 16,588,677                  | 53,233,208  |
| Disposition   |  |          |                                      |  |   |  | The last the country of the last the la |  |                             |   |
| Deliveries to refineries Ontario Manitoba Alberta Northwest Territories                 | ·) + ( ·) ( ·  | - (2)    | 246,545                              | 4,367,339  | 6,487,436<br>1,952,870<br>3,284,040                             | (1) 1 (0)                                      |  | 11,196,752<br>2,162,074<br>3,284,040               | 3,773,780                   | 3,773,780<br>12,811,303<br>11,196,752<br>1,392,155<br>2,162,074<br>3,284,074<br>3,284,184<br>67,731 |
| Part of the second  |  | 15,01    | 266,400                              | 5,390,860  | 13,323,473  | 1,667,990                                      | 67,731   | 20,811,886   | 16,585,083                  | 37,396,969  |
| Exports to U.S.A.  I II IV  | (10)   | 7.1.199  | 100 g live                           | 84,653   | 1,695,181   | 323,983  | 1 1 0 0  | 1,779,834  |                             | 7,660,566   |
| 10 Cal. S   |  |          | 286,453                              | 2, 70,651  | 1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                         | 586 (  | 1  | 15,045,423   |                             | 15,045,421  |
| Opening - Field and plant  Transporters'  | 5,769  | 9 B B B  | 71,621<br>94,621<br>70,897<br>63,134 | 449,246<br>5,059,221<br>446,992<br>5,045,974   | 1,677,804 <sup>r</sup><br>26,105,946<br>1,802,591<br>26,452,190 | - 17,221<br>1,325,394<br>- 26,090<br>1,453,912 | 73,232   | 2,260,451<br>32,585,182<br>2,387,115<br>33,015,210 | 359,835                     | 2,260,451<br>32,945,017<br>2,387,115<br>33,375,045  |
| Net change  | - 502  | 1        | - 32,211                             | - 15,501   | 471,031   | 119,649  | 14,226   | 556,692  |                             | 556,692   |
| Deliveries to other purchasers Pipeline fuel Field and plant use Losses and adjustments | 1,223  | 1 1 1 1  | 2,590                                | 11,357   | 2,107<br>14,141<br>51,941<br>225,609                            | 1,060  | 1 1 t'e  | 4,390<br>14,141<br>63,298<br>148,703               | 3,594                       | 4,390<br>14,141<br>63,298<br>152,297  |
| Total disposition   | 588  | 95,432   | 523,232                              | 7,641,258  | 26,252,643  | 2,049,421                                      | 81,957   | 36,644,531   | 16,588,677                  | 53,233,208  |

San January January 1989



TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, January 1969

|              | The state of the s |                  |         |                     |                               |
|--------------|--|------------------|---------|---------------------|-------------------------------|
| No.          |  | New<br>Brunswick | Quebec  | Ontario             | Saskatchewan                  |
| 1            | ,  |                  | Mcf     | •                   |                               |
|              | A. FIELD AND PROCESSING PLANTS   | 1                | 1       | 9                   |                               |
| i            | Supply   |                  |         |                     |                               |
| 1 6          | Cross new production Less field flared and waste   | 11,624           | 13,947  | 1,243,165           | 7, <b>312,24</b> 2<br>913,274 |
| 3 N          | let new production (1 - 2)   | 11,624           | 13,947  | 1,243,165           | 6,398,968                     |
| 4 R          | Less injected and stored   | . ]              | -       | -                   | -                             |
| 6            | Net withdrawals  | 11/644           | 13,947  | 1,243,165           | 6,398,968                     |
| 1            | Disposition  |                  |         |                     |                               |
| 8 G          | ield disposition and usesathering system disposition and uses rocessing plant disposition and uses:  | 175              | 3 1     | -                   | 316,177<br>105,711            |
| 9a<br>9b     | Processing shrinkage   |                  | -       | -                   | 199,564                       |
| 10 0<br>11 A | CDC 130  |                  |         | -                   | <b>226,454</b><br>78,129      |
| 12 D         | djustmenteliveries of marketable gas   | 11/429           | L11941  | 1,243,165           | - 19,168<br>5,492,101         |
| 13           | const diagnostics  | 10.504           | 101/947 | 1,243,165           | 6,398,968                     |
|              | B. GAS UTILITIES   |                  |         |                     |                               |
| ,            |  |                  |         |                     |                               |
|              | Supply   |                  |         |                     |                               |
| 14 Re<br>14a | eceipts of marketable gas Plants Fields  | 11,429           | 13,947  | 4,111<br>1,239,054  | 2,018,412<br>3,473,689        |
| 15           | Total (14a + 14b)  | 11,429           | 13,947  | 1,243,165           | 5,492,101                     |
| 6 Re         | eceipts from distributor storage   |                  | -       | 14,756,105          | 1,785,378                     |
| ./ Tr        | opert<br>ther receipts(1)  |                  |         | -                   | 1,765,376                     |
| 1            | -  |                  |         | 769                 | -                             |
| .8           | Total supply of marketable gas (15 + 16 + 17 + 17a)  | 11,429           | 13,947  | 16,000,039          | 7,277,479                     |
|              | Disposition  |                  |         |                     |                               |
| Sa           | ales   |                  |         | 1                   |                               |
| 9            | British Columbia   |                  |         |                     |                               |
| 0            | British Columbia   | 3                | - 1     | 2                   | -                             |
| 7            | Saskatchewan   | - 1              | - 1     | - 1                 | 5,925,337                     |
| 3            | Ondario  | 3 1              | 3       | 16,069,702          | -                             |
| 4            | Quebec   |                  | 1/1/4   | - 1                 |                               |
|              | New Brunswick  | 1.03             |         | -                   | -                             |
| 6            | Total sales (19 to 25 inclusive)   |                  | My ==   | 16,069,702          | 5,925,337                     |
| 7 Ex<br>3 Ot | portsher deliveries(2)   | -                | -       | -                   | -                             |
| ) De         | livered to distributor storage   |                  | _       | _                   | 100,899                       |
| Pi           | peline line pack fluctuationpeline fuel  |                  | -       | 26 722              | - 17,582                      |
| ! Pi         | peline losses etc.   | 12460            |         | 36,592<br>- 106,255 | 297,997<br><b>970,82</b> 8    |
|              | Total disposition of marketable gas (26 to 32 inclusive)   | 11,429           | 13,947  | 16,000,039          | 7,277,479                     |
| 7            | .G. for gas enrichment, peak shaving or temporary so   | ž.               | 25,747  | 20,000,037          | 1,211,417                     |

L.P.G. for gas enrichment, peak shaving or temporary supply.

Direct deliveries for industrial consumption and miscellaneous utility deliveries.



TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, January 1969

|                       | Total<br>all<br>sources   | Total<br>Foreign<br>sources | Total<br>Canadian<br>sources   | Northwest<br>Territories   | British<br>Columbia                                    | Alberta   |
|-----------------------|---|-----------------------------|--|--|--|---|
|                       |   |                             |  |  |  |   |
| 2                     | 208,326,272   |                             | 208,326,272  | 60,650   | 29,938,969   | 169,745,675   |
|                       | 6,470,021   |                             | 201,856,251  | 6,514  | 28,974,555   | 4,538,197   |
| 1                     | 201,856,251   |                             | 201,030,231  | 0,514  | A TOTAL STANK IN W. HARRY S. HARRY STANKS AS ASSESSED. | -   |
|                       | 18,950,047  |                             | 111700007  | THE RESIDENCE OF THE PARTY OF T | 477 3.2<br>28 4°7 <u>1</u> 0°                          | 18,472,675  |
| 4                     | 182,906,204   |                             | 71/21 PRING 204  | 15   134   | 2014 / 12  | 140,734,003   |
|                       | 1,464,034<br>762,464  |                             | 1,464,034<br>762,464   | 8  | 157 -—<br>216  | 989,870<br>656,537  |
| 0 4 2                 | 20,267,022<br>10,409,200<br>181,434<br>- 3,742,232<br>153,564,282                       |                             | 20,267,022<br>10,409,200<br>181,434<br>- 3,742,232<br>153,564,282              | 2 (310)  | 663,760<br>3,27,57<br>- 379,374<br>24,775,110          | 19,403,698<br>6,903,067<br>96,791<br>- 3,343,690<br>122,028,530         |
|                       | 182,906,204   |                             | 110,004,04   | 1622   | 24,490,185   | 146,734,803   |
| 7                     | 11 = .161 .495<br>34,462,787<br>153,564,282   |                             | 119,101,495<br>34,462,787  |  | 499,318<br>4-14,110                                    | 92,803,180  |
| 1                     | 17,417,972<br>2,968,411<br>304,789  | 2,-68,411                   | 304,789  | 8  | 6,009  | 876,489<br>295,336  |
| 4                     | 174,255,454   | 2,968,411                   | Art. 181 AWY   |  | 32.181V/W  | 123,200,355   |
|                       |   |                             |  |  |  |   |
| 7<br>5<br>3<br>5<br>0 | 10,066,767<br>30,211,567<br>10,575,805<br>6,887,603<br>42,887,545<br>4,878,860<br>7,325 | 22,846                      | 10,066,767<br>30,188,721<br>10,575,805<br>6,887,603<br>39,942,329<br>4,878,860 |  | 8,492,308  | 1,574,459<br>30,188,721<br>4,650,468<br>6,887,603<br>2,4 2<br>4,864,913 |
| 2                     | 105,515,472   | 2,968,062                   | 102,547,410  |  | 8,492,308  | 72,038,791  |
| 0 1 9 6               | 58,033,790<br>1,459,750<br>695,411<br>- 647,899<br>7,388,026<br>1,810,904               | 34.9                        | 58,033,790<br>1,459,750<br>695,411<br>- 647,899<br>7,388,026<br>1,810,555      | :  | 13,435,026<br>-<br>- 45,641<br>1,952,413<br>949,688    | 44,598,764<br>1,459,750<br>594,512<br>- 584,676<br>5,101,024<br>- 7,810 |
|                       |   |                             |  |  |  |   |



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Coal and Coke Statistics, June 1969, Cat. No. 45-002

Coal production for the month of June 1969 amounted to 692,782 tons a decrease of 13.2% from the June 1968 production of 798,074 tons, while landed imports were 2,249,558 tons compared with 1,788,173 tons for the month of June 1968. Consumption by industrial consumers amounted to 1,025,172 tons of coal and 534,319 of coke, a decrease of 152,802 tons of coal and an increase of 34,227 tons of coke from last year.

Industrial consumers' stocks of coal and coke increased to 5,219,231 tons from 5,166,804 tons in June 1968.

Coke production during the month of June 1969 decreased very slightly to 466,630 tons from 466,871 tons in June 1968, while coke used in blast furnaces increased to 371,801 tons from 360,892 tons during the same period.



#### Coal and Coke Statistics

June 1969

|                            |            |                                      | Coal   |  | The second secon | Co   | ke   |
|----------------------------|------------|--------------------------------------|--|--|--|--|--|
|                            | Production | Landed<br>imports                    | Shipments  coal operators (producers)                                    | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers   | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            | The same development of the same and | THE STREET STREET, AND ASSESSMENT AND ASSESSMENT STREET, THE STREET, THE | tons   | 1  | L  |  |
| Newfoundland               | -          |                                      | ~  | -  | day .  | -  | -  |
| Prince Edward Island       | -          | -                                    | -  | _  | 3<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   | -  | _  |
| Nova Scotia                | 205,060    | 42,491                               | 218,970  | 60,744                                       | 23,900   | 44,474                                       | -  |
| New Brunswick              | 47,666     | 51                                   | 48,111   | 18,696                                       | 45,588   |  | -  |
| Quebec                     | -          | 79,660                               | -  | 90,857                                       | 166,436  | 65,676                                       | 97,338                                       |
| Ontario                    | 49         | 2,125,759                            | _  | 610,899                                      | 4,477,512  | 399,591                                      | 97,473                                       |
| Manitoba                   | 49         | 1,324                                | -  | 22,042                                       | 86,245   | 102  | 806  |
| Saskatchewan               | 107,665    | 193                                  | 108,167  | 78,913                                       | 157,991  | -  | -  |
| Alberta                    | 269,987    | ***                                  | 260,660  | 132,438                                      | 23,566   | 296  | 251  |
| British Columbia and Yukon | 62,404     | 80                                   | 73,426   | 10,583                                       | 7,914  | 24,180                                       | 34,211                                       |
| Total Canada 1969          | 692,782    | 2,249,558                            | 709,334  | 1,025,172                                    | 4,989,152  | 534,319                                      | 230,079                                      |
| Total Canada 1968          | 798,074    | 1,788,173                            | 772,722 <sup>r</sup>   | 1,177,974                                    | 4,903,674  | 500,092                                      | 263,130                                      |





or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

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Preliminary (1) Report on Coal Production July 1969

Preliminary data indicate that coal production for the month of July 1969 amounted to 641,715 tons, a decrease of 12.9% from the July 1968 preliminary production figure of 737,097 tons. Landed imports were 2,184,239 tons compared with 1,253,196 tons for the same period last year.

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.



# Production and Landed Imports of Coal, by Provinces

|  | 1968  |   | 1969  | 9   |
|--|---|---|---|---|
|  | Production(2)   | Landed(1) imports   | Production(2)   | Landed(1) imports   |
|  | n   | et tons of 2,   | 000 pounds  |   |
| <u>July</u>  |   |   |   |   |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 235,276<br>66,809<br>-<br>-<br>132,400<br>68,936<br>192,899<br>40,777 | 17,506<br>47<br>71,551<br>1,163,648<br>262<br>182                 | 219,615<br>44,206<br>-<br>-<br>79,703<br>108,906<br>119,301<br>69,984 | 24,872<br>87<br>77,260<br>2,081,252<br>562<br>206                 |
| Canada totals  | 737,097   | 1,253,196   | 641,715   | 2,184,239   |
| Seven months ended July  Newfoundland  Vova Scotia  New Brunswick  Quebec  Ontario  fanitoba  Gaskatchewan  Llberta - Bituminous           | 1,911,047<br>431,085<br>-<br>-<br>-<br>1,371,351<br>557,497           | 5,874<br>313,985<br>496<br>318,587<br>6,680,550<br>1,215<br>1,520 | 1,756,807<br>364,177<br>-<br>-<br>1,089,531<br>695,129                | 3,508<br>352,994<br>395<br>370,534<br>8,342,234<br>4,070<br>1,065 |
| Sub-bituminous ritish Columbia and Yukon   | 1,588,285   | 207   | 1,731,828<br>517,998  | 381   |
| Canada totals  | 6,392,263   | 7,322,434   | 6,155,470   | 9,075,181   |

<sup>1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>2)</sup> All figures are preliminary.



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\$5.00 A YEAR

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Catalogue No. 57-002 Vol. 4 No. 49



## 1. Sales of Natural Gas, June 1969 Catalogue No. 55-002

Total Sales of Natural gas to Canadian consumers for June were 49,683,775 Mcf. This was an increase of 6.2% over the same month last year. Revenue from sales was \$28,570,535.

Sales for the first six months of 1969 were 475,026,788 Mcf. an increase of 11.7% over the first six months of last year. Exports continued to rise over the same period amounting to 329,987,637 Mcf., an increase of 11.4% while imports were 11,290,603 Mcf., which was a decrease of 52.9%.

Domestic revenues were up 8.2%, while export revenues were up 12.5%.

Customers from September 1968 to June 1969 have risen 68,151 or 4.0%.



## Sales of Natural Gas, June 1969

|  | Custome  | rs   |   |   |
|--|--|--|---|---|
|  | Space heating  | Total  | Gas sold  | Revenue   |
|  | No.  |  | Mcf.  | \$  |
| Residential  New Brunswick  Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada | 130<br>104,664<br>571,800<br>106,656<br>119,241<br>261,421<br>182,583<br>1,346,495 | 1,706<br>207,568<br>706,767<br>108,925<br>121,653<br>265,031<br>199,604<br>1,611,254 | 2,791<br>255,752<br>4,239,763<br>688,007<br>788,843<br>1,832,363<br>885,675<br>8,693,194            | 9,479<br>549,927<br>5,403,892<br>690,729<br>841,478<br>1,366,325<br>1,456,593<br>10,318,423         |
| Commercial   |  |  |   |   |
| New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada               |  | 70<br>10,499<br>64,831<br>10,518<br>16,751<br>29,801<br>25,625<br>158,095            | 1,701<br>357,727<br>3,155,012<br>487,370<br>517,934<br>1,676,171<br>561,279<br>6,757,194            | 3,686<br>435,790<br>2,857,940<br>359,148<br>341,553<br>704,357<br>539,086<br>5,241,560              |
| ndustrial  New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada    |  | 2,091<br>8,258<br>301<br>637<br>834<br>307<br>12,428                                 | 2,896,005<br>14,566,337<br>1,193,860<br>3,405,052<br>8,988,519<br>3,183,614<br>34,233,387           | 1,339,088 7,609,492 353,911 936,404 1,656,337 1,115,320 13,010,552                                  |
| Firm   | •  | 11,816<br>612  | 26,572,467<br>7,660,920   | 10,118,982<br>2,891,570   |
| New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada               |  | 1,776<br>220,158<br>779,856<br>119,744<br>139,041<br>295,666<br>225,536<br>1,781,777 | 4,492<br>3,509,484<br>21,961,112<br>2,369,237<br>4,711,829<br>12,497,053<br>4,630,568<br>49,683,775 | 13,165<br>2,324,805<br>15,871,324<br>1,403,788<br>2,119,435<br>3,727,019<br>3,110,999<br>28,570,535 |
| al exports   | •  | •  | 50,397,247  | 13,513,553  |
| I:al imports   |  |  | 3,169,205   | 1,381,701   |



## 2. Refined Petroleum Products

Preliminary production figures of refined petroleum products decreased 1.0% in June to 33,933,340 barrels from 34,278,413 in the same month last year, according to an advance release of data that will be contained in the June issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 5.8% in June to 34,362,956 barrels from 32,465,129 a year earlier. There was 2.8% less domestic crude at 18,756,678 barrels versus 19,288,916, and 18.4% more imported crude at 15,606,278 barrels versus 13,176,213. Domestic disappearance of finished petroleum products increased 6.5% to 36,424,043 barrels from 34,201,173 in the same month last year.

IMPORTS Into Canada Of Selected Petroleum Products, June 1969P

|                                    | Motor    | Kerosene  |                                   | Fuel oil                               |  | Total all                                    |
|------------------------------------|----------|-----------|-----------------------------------|--|--|--|
|                                    | gasoline | stove oil | Diesel                            | Light                                  | Heavy                                      | products                                     |
|                                    |          | barr      | els of 35                         | Canadian gal                           | lons                                       | <del></del>                                  |
| Maritimes Quebec Ontario All other | 239,700  | 617       | 82,240<br>139,325<br>-<br>230,730 | 406,708<br>610,094<br>146,144<br>1,082 | 399,440<br>2,812,459<br>341,484<br>187,119 | 757,056<br>4,509,476<br>1,005,011<br>758,363 |
| Canada total                       | 254,401  | 617       | 452,295                           | 1,164,028                              | 3,740,502                                  | 7,029,906                                    |

EXPORTS Of Selected Petroleum Products, June, 1969P

|  | Motor    | Kerosene        |             | Fuel oil     |        | Total all                          |
|--|----------|-----------------|-------------|--------------|--------|------------------------------------|
|  | gasoline | stove oil       | Diesel      | Light        | Heavy  | products                           |
|  |          | barr            | els of 35 ( | Canadian gal | lons   | +                                  |
| aritimes  iebec iskatchewan lberta itish | -        | 2,210<br>-<br>- | 3,065       | 28,662       | 40,359 | 3,398<br>112,413<br>1,819<br>1,656 |
| Columbia                                 | 30,006   | -               | -           | -            | -      | 30,959                             |
| Canada total  Preliminary f              | 30,006   | 2,210           | 3,065       | 28,662       | 42,015 | 150,245                            |

NET SALES In Canada Of Selected Petroleum Products, June 1969P

|                                     |            |            |            | Fuel oil      |                  |            | Total all           | Total all aroduote              |
|-------------------------------------|------------|------------|------------|---------------|------------------|------------|---------------------|---------------------------------|
|                                     | Motor      | Kerosene   |            |               |                  | Total all  | IOCAI ALI           | r produces                      |
|                                     | gasoline   | stove oil  | Diesel     | Light         | Heavy            | products   | Cumulative<br>1969P | Cumulative<br>1968 <sup>r</sup> |
|                                     |            |            | q          | barrels of 35 | Canadian gallons | suc        |                     |                                 |
| Newfoundland                        | 202,396    | 70,847     | 268,176    | 110,404       | 520,581          | 1,233,695  | 6,392,772           | 5,869,221                       |
| Maritimes                           | 905,131    | 114,981    | 320,574    | 266,397       | 1,062,189        | 3,074,596  | 21,680,604          | 21,516,104                      |
| Quebec                              | 3,312,872  | 115,622    | 759,112    | 1,205,798     | 3,689,762        | 10,525,678 | 73,618,751          | 69,916,161                      |
| Ontario                             | 4,987,390  | 70,376     | 875,325    | 1,164,410     | 1,578,414        | 10,447,098 | 77,686,099          | 75,791,097                      |
| Manitoba                            | 662,337    | 21,273     | 325,744    | 46,064        | 36,462           | 1,328,485  | 8,058,014           | 7,729,838                       |
| Saskatchewan                        | 874,839    | 17,235     | 538,652    | 31,469        | 32,283           | 1,781,410  | 8,838,047           | 9,004,279                       |
| Alberta                             | 1,375,670  | 10,644     | 651,820    | 26,093        | 73,410           | 2,562,208  | 12,957,625          | 12,383,671                      |
| British Columbia                    | 1,374,982  | 41,181     | 610,344    | 114,316       | 317,101          | 2,977,094  | 23,309,649          | 21,497,860                      |
| North West Territories<br>and Yukon | 20,104     | 2,628      | 67,238     | 17,637        | 31,260           | 178, 542   | 713,842             | 471,723                         |
| Canada totals                       | 13,715,721 | 464,787    | 4,416,985  | 2,982,588     | 7,341,462        | 34,108,806 | ı                   | t                               |
| Canada cumulative 1969              | 72,297,915 | 10,175,064 | 21,267,553 | 55,408,621    | 50,086,644       | 1          | 233,255,403         | 1                               |
| Canada cumulative 1968              | 70,015,245 | 10,763,176 | 19,766,805 | 54,450,516    | 46,179,974       | 1          | 1                   | 224,179,954                     |
| P Preliminary figures               |            |            |            |               |                  |            |                     |                                 |

Preliminary figures r Revised figures,



--, ------ in canada OI Selected Petroleum Products, Jume 1969P

| Cumulative<br>1968 <sup>r</sup> |  | (1)   | 17,993,755   | 66,752,023   | 60,757,508   | 7,593,651 | 11,276,146   | 18,070,746  | 20,250,831   | 372,631   | t  | t   | 203,067,291  |  |
|---------------------------------|--|---|--|--|--|-----------|--|---|--|---|--|---|--|--|
| Cumulative<br>1969P             |  | (1)   | 23,069,951   | 66,892,180   | 60,070,421   | 7,410,323 | 11,275,113   | 19,571,465  | 18,204,972   | 385,763   | 1  | 206,880,188   | 1  |  |
| products                        | suol   | (1)   | 3,927,874  | 11,057,054   | 9,470,689  | 1,133,452 | 2,276,322  | 3,349,839   | 2,646,580  | 71,530  | 33,933,340   | ı   | 1  |  |
| Heavy                           | Canadian   | (1)   | 1,001,466  | 2,606,420  | 1,337,527  | 64,438    | 146,958  | 173,271   | 232,458  | 32,200  | 5,594,738  | 38,464,324  | 37,234,822   |  |
| Light                           | barrels of 35  | (1)   | 750,263  | 2,165,301  | 1,581,651  | 5,277     | 81,333   | 135,476   | 69,279   | 12,188  | 4,800,768  | 33,211,420  | 32,933,841   |  |
| Diese1                          |  | 1   | (2)  | 1,310,945  | 1,080,775  | 234,784   | 526,068  | 844,277   | 616,563  | 10,851  | 4,624,263  | 23,091,984  | 23,358,326   |  |
| stove oil                       |  | (1)   | 197,978  | 445,488  | 135,507  | 10,893    | 126,397  | 34,744  | 111,894  |   | 1,062,901  | 10,145,513  | 10,310,019   |  |
| gasoline                        |  | (1)   | 1,175,407  | 3,099,636  | 3,752,446  | 539,652   | 1,013,592  | 1,467,745   | 1,125,207  | 11,549  | 12,185,234   | 72,484,946  | 70,778,806   | nes,   |
|                                 |  | Newfoundland  | Maritimes  | Quebec   | Ontario  | Manitoba  | Saskatchewan   | Alberta   | British Columbia   | North West Territories and Yukon  | Canada totals  | Canada cumulative 1969  | rd .   | (1) Included with Maritimes. (2) Included with Quebec. P Preliminary figures. r Revised figures.   |
|                                 | stove oil Diesel Light Heavy products Cumulative 1969P | stove oil  Diesel Light Heavy products Cumulative 1969P  barrels of 35 Canadian gallons | gasoline stove oil Diesel Light Heavy products Cumulative 1969p barrels of 35 Canadian gallons (1) (1) (1) (1) (1) | Basoline stove oil Diesel Light Heavy products Cumulative Cumulati | dland (1) (1) (2) 750,263 1,001,466 3,927,874 50.892,180 1.310,945 2,165,301 2,606,420 11,057,054 66,892,180 | dland     | Sasoline   Stove oil   Diesel   Light   Heavy   Products   Cumulative   Cumulativ | gasoline         stove oil         Diesel         Light         Heavy         Products         Cumulative         Comulative           land         (1) | Sasoline   Stove oil   Diesel   Light   Heavy   Products   1969p   Cumulative   C | gasoline         stove oil         Diesel         Light         Heavy         Products 1 1969P         Comulative 1969P           (1)         (1)         -         (1)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2)         (2) | Completive   Com | Commulative   Commulative | Camulative   Gameline   Stove oil   Diesel   Light   Heavy   Dicates   Camulative   Camulative | Communicative   Store oil   Diesel   Light   Heavy   Products   1969pv   197,978   197, |



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Catalogue No. 57-002 Vol. 4, No. 50



Oil Pipe Line Transport, May 1969, Cat. No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during May decreased 1.2 per cent to 1,521,900 B/D from 1,539,900 B/D for the same period of the preceding year; domestic oils amounted to 1,238,200 B/D (up 1.8 per cent) and imported oils were 283,700 B/D (down 12.4 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month fell 0.3 per cent to 1,543,100 B/D from 1,548,400 B/D last year. Included in the month's deliveries were 1,036,200 B/D to domestic points (down 9.1 per cent) and 506,900 B/D for export (up 24.3 per cent).



For the five-month period, net receipts of all commodities were 1,799,800 B/D, an increase of 5.2 per cent over the same period of 1968; deliveries rose 5.6 per cent, to 1,795,100 B/D. The imports by pipeline for the period decreased to 375,600 B/D while the exports of the same commodities rose to 538,700 B/D, a decrease of 2.4 per cent and an increase of 22.3 per cent, respectively.

Total traffic for May amounted to 22,957 million barrel miles with an average length of haul of 479.9 miles.

Oil held by Canadian pipe line systems totalled 24,651,013 barrels by the end of May. Inventories of crude oil and equivalent decreased by 837,071 barrels, while inventories held in Canada and the United States decreased by 598,396 barrels.

Oil Pipe Line Supply and Disposition

|                            |                                     | May 19                                   | 96 9             |                                    | Year to da      | ite 1969                    |
|----------------------------|-------------------------------------|--|------------------|------------------------------------|-----------------|-----------------------------|
| Supply and disposition     | Crude<br>oil and<br>equiva-<br>lent | Refined petroleum products and L.P.G.'S. | Total<br>Volume  | %<br>change<br>from<br>May<br>1968 | Total<br>Volume | % change from previous year |
|                            |                                     | '0                                       | 00 barrel        | s per da                           | у               |                             |
| Net receipts               |                                     |  |                  |                                    |                 |                             |
|                            | 1,051.5                             |  | 1,238.2          |                                    | 1,424.2         | + 7.4                       |
| Imports                    | 282.4                               | 1.3                                      | 283.7            | - 12.4                             | 375.6           | - 2.4                       |
| Total net receipts         | 1,333.9                             | 188.0                                    | 1,521.9          | - 1.2                              | 1,799.8         | + 5.2                       |
| Net deliveries             |                                     |  |                  |                                    |                 |                             |
| Domontia                   | 061 0                               | 175 0                                    | 1 026 2          | 0.1                                | 1,256.4         | - 0.3                       |
| Domestic Exports           | 861.2<br>498.1                      | 8.8                                      | 1,036.2<br>506.9 | + 24.3                             | 538.7           | + 22.3                      |
|                            | 1,359.3                             | 183.8                                    | 1,543.1          | - 0.3                              | 1,795.1         | + 5.6                       |
| Inventory change (barrels) | -598,396                            | 116.679                                  | -481,717         | -                                  | 658,061         | -                           |



# ERVICE BULLETIN

ENERGY STATISTICS

or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613

\$5.00 A YEAR

130 - 5 1969 \*\*

August 28, 1969

Catalogue No. 57-002

1

### Electric and Gas Meter Registrations, 1968, Cat. No. 57-201

Nearly all gas meters registered in Canada are of the natural gas type and the proportion increases each year. Manufactured gas meters, on the other hand, continue a steady decline in number and now comprise less than 1% of the total. The number of bottled gas meter registrations also shows a considerable drop in number from the previous year.



Gas Meters, by Fuel Division, in Service in Canada, 1968

|                 | 195       | 8     | 19        | 67    | 19        | 68    | % growth rates |
|-----------------|-----------|-------|-----------|-------|-----------|-------|----------------|
|                 |           |       |           |       | 1)        | 00    | 1967-68        |
|                 | number    | %     | number    | %     | number    | %     |                |
| atural Gas      | 1,069,892 | 96.3  | 1,739,577 | 97.9  | 1,807,353 | 98.3  | 3.9            |
| anufactured Gas | 35,967    | 3.2   | 14,248    | 0,8   | 11,188    | 0.6   | (21.5)         |
| ottled Gas      | 5,101     | 0.5   | 22,784    | 1,3   | 20,060    | 1.1   | (12.0)         |
| Totals          | 1,110,960 | 100.0 | 1,776,609 | 100.0 | 1,838,601 | 100.0 | 3.5            |

The domestic, commercial and power meter breakdown of previous years has been replaced by a tabulation by type of ter in order to conform more closely with the respondents' records. Total electric meter registrations at the end of 1968 sounted to 6,718,933 compared with 6,488,161 one year earlier. This represents an increase of 230,772 or 3.6% which is ightly above the 3.2% compound growth rate experienced during the 10 year period between 1957 and 1967.

Electric Meter Registrations by Province and Type of Meter as at December 31, 1968

| Province  | Watthour        |                | Prepayment      |                | Other A.C.   |                |      |           |
|---|-----------------|----------------|-----------------|----------------|--------------|----------------|------|-----------|
|   | Single<br>phase | Poly-<br>phase | Single<br>phase | Poly-<br>phase | Single phase | Poly-<br>phase | D.C. | Total     |
|   |                 |                |                 |                |              |                |      |           |
| Note of the state | 107,858         | 1,934          | -               | -              | 3,659        | 1,546          | -    | 114,997   |
| Fnce Edward Island  | 28,852          | 107            | 60              | -              | 1,825        | 595            | -    | 31,439    |
| Na Scotia   | 221,465         | 1,632          | -               | -              | 12,912       | 3,601          | -    | 239,610   |
| N Brunswick   | 174,484         | 953            | -               | -              | 2,228        | 2,027          | -    | 179,692   |
| Q bec   | 1,708,550       | 11,845         | 9               | -              | 120,120      | 28,042         | -    | 1,868,566 |
| Orario  | 2,193,466       | 65,176         | 1               | 9              | 74,878       | 46,790         | 1    | 2,380,321 |
| Miltoba   | 354,619         | 9,439          | -               | -              | 405          | 303            | 153  | 364,919   |
| S::atchewan   | 305,555         | 3,078          | -               | _              | 7,575        | 3,323          | -    | 319,531   |
| AJirta  | 447,242         | 17,112         | -               | -              | 12,142       | 4,379          | -    | 480,875   |
| B: ish Columbia   | 670,148         | 47,683         | 57              | -              | 5,010        | 6,324          | 89   | 729,311   |
| Yu n  | 5,401           | 229            | -               | -              | 99           | 24             | _    | 5,753     |
| No hwest Territories  | 3,726           | 193            | -               | -              | -            | _              |      | 3,919     |
| tals, Canada  | 6,221,366       | 159,381        | 127             | 9              | 240,853      | 96,954         | 243  | 6,718,933 |



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Catalogue No. 57-002 Vol. 4, No. 52 LIDRARY

ENERGY

September 5, 1969

Preliminary Review of the Coal Mining Industry, 1968 - Cat. No. 26-206

Gross production of coal in Canada for 1968 amounted to 11,008,277 tons, 3.4 per cent less than the total of 11,395,754 tons produced in 1967. The decrease was due primarily to an 18.4 per cent decline in the production of bituminous coal (mainly in British Columbia and Nova Scotia). The British Columbia production of 903,289 tons declined 25.2 per cent from last year. This is largely attributable to a change in the method of reporting coal put on waste heap. In 1967, production included 247,038 tons of coal put on the waste heap. The comparable 1968 figure was only 40,095 tons. The Nova Scotia production of 3,132,321 tons shows a decrease of 16.2 per cent due to the reorganization and gradual phasing out of some coal mines in the province. These declines combined with a 4.9 per cent decrease in New Brunswick were partly offset by a 1.1 per cent increase in Alberta bituminous production, an increase of 12.1 per cent in the production of Saskatchewan lignite coal and an increase of 11.7 per cent in Alberta sub-bituminous.

Bituminous coal accounted for 52.5 per cent of the 1968 production with Alberta sub-bituminous and Saskatchewan lignite accounting for 27.0 per cent and 20.5 per cent respectively.

Table 1 contains "net" production figures, i.e. reported production excluding the tonnage placed on the waste heap. The "net" production of coal amounted to 10,980,850 tons (excluding 27,427 tons put on waste heap) in 1968 as compared to 11,122,935 tons (excluding 272,819 tons put on waste heap) in 1967. Although the total amount placed on the waste heap in 1968 was 53,497 tons, production was reduced by only 27,427 tons. The difference (26,070 tons) was coal produced in British Columbia in earlier years and placed on the waste heap during 1968.

The value of production f.o.b. mines and excluding subvention payments was \$53,935,893 in 1968, down 4.2 per cent from the previous year's \$56,283,274<sup>r</sup> total. The 1968 subvention payments totalled \$12,810,896 as compared to \$35,722,532 for 1967. The difference is accounted for in Nova Scotia where subventions were only paid for the first three months of 1968. These figures represent the total subvention aid paid during the year and hence they include adjustments for the coal shipped in previous years. Salaries and wages accounted for 76.9 per cent of the value of production excluding subvention assistance.

The value of production of bituminous coal ranged from a low of \$5.80 per ton in British Columbia through \$7.24 per ton in Alberta, \$8.01 per ton in Nova Scotia to a high of \$9.19 per ton in New Brunswick. Changes in 1968 unit value of production of bituminous coal over revised 1967 figures were + \$0.84 in Nova Scotia, + \$0.25 in New Brunswick, + \$0.57 in Alberta and + \$0.33 in British Columbia. Value of production of Alberta sub-bituminous coal averaged \$1.76 per ton, down \$0.30 from the 1967 figure, while the average value of sales of Saskatchewan lignite increased \$0.05 per ton to \$1.85.

Exports of Canadian coal increased 8.1 per cent to 1,447,012 tons in 1968 while value of exports rose 8.2 per cent to \$16,336,038. Eighty eight per cent of the exported coal was shipped to Japan.

Landed imports (which include coal at Customs' ports awaiting clearance) amounted to 17,322,968 tons in 1968, an increase of 9.6 per cent over 1967.

6503-521



Approximately 92 per cent of the imported coal was cleared through Ontario ports with Quebec and Nova Scotia accounting for most of the remainder. Ninety seven per cent of the imported coal was United States bituminous.

Sales of coal and coke by retail fuel dealers dropped from 1,365,261 tons in 1967 to 1,079,136 tons, a decreased of 21.0 per cent.

Consumption of coal by industrial consumers increased 7.7 per cent to 17,071,069 tons in 1968 from 15,845,571 tons the previous year. There was an increase in the consumption of coke by industrial consumers from 5,466,747 tons in 1967 to 6,002,789 tons in 1968.

Stocks of coal and coke by retail fuel dealers declined from 325,517 tons in 1967 to 282,326 tons in 1968. However stocks of coal held by industrial consumers increased from 6,384,327 tons to 6,518,537 tons during the same period. Coke stocks held by industrial consumers increased from 269,992 tons to 310,172 tons in 1968. Total stocks of coal in Canada decreased approximately 452,000 tons during the year to about 10,368,000 tons as of December 31, 1968. Stocks of coke increased by approximately 68,000 tons to 308,000 tons during the same period.

In 1968 there were 7,389,606 tons of bituminous coal charged to ovens to manufacture 5,310,762 tons of coke, compared with 5,856,056 tons of coal used to make 4,430,299 tons of coke in 1967. Ninety four per cent of the coal used to manufacture coke was imported bituminous.

A total of 7,669 employees worked 1,791,973 man-days for wages and salaries of \$41,489,541 in 1968. Approximately 67.7 per cent of the employees' salaries and wages were accounted for by Nova Scotia.



TABLE 1. Principal Statistics for the Coal Mining Industry 1967 and 1968

|                  | Number<br>of<br>mines | Average number of employees | Salaries<br>and<br>wages | Cost of<br>fuel and<br>electricity<br>at mines | Cost of process supplies at mines | Value at<br>mines(1) | Net<br>production<br>of<br>coal(2) |
|------------------|-----------------------|-----------------------------|--------------------------|--|-----------------------------------|----------------------|------------------------------------|
|                  |                       |                             |                          | dollars  | ars                               |                      | short tons                         |
| Nova Scotia      | 7                     | 5,311                       | 28,107,801               | 1,666,862                                      | 14,005,285                        | 25,099,048           | 3,130,332                          |
| New Brunswick    | ∞                     | 642                         | 3,117,773                | 590,693  | 1,944,778                         | 7,329,346            | 797,234                            |
| Saskatchewan     | m                     | 146                         | 1,029,877                | 180,608  | 490,773                           | 4,164,841            | 2,250,219                          |
| Alberta          | 28                    | 1,072                       | 6,268,632                | 684,749  | 2,012,552                         | 12,100,484           | 3,913,801                          |
| British Columbia | m                     | 7 6 98                      | 2,965,458                | 244,249  | 1,382,467                         | 5,242,174            | 889,264                            |
| Yukon            | ŧ                     | ł                           | 1                        | ı  | 1                                 | ı                    | í                                  |
| Canada 1968      | 67                    | 7,669                       | 41,489,541               | 3,367,161                                      | 19,835,855                        | 53,935,893           | 10,980,850                         |
| Canada 1967      | 65                    | 8,227                       | 41,132,621               | 3,361,626                                      | 14,720,983                        | 56,283,274           | 11,122,935                         |

(1) The 1967 and 1968 values of coal exclude subvention payments. (2) Net production of coal excludes "put on waste heap" coal: does not agree with other tables.



TABLE 2. Production of Coal, by Kinds and by Provinces, 1967 and 1968

| Province and kind of coal                        |                 | 1967  |  |                 | 1968                                |  |
|--|-----------------|---|--|-----------------|-------------------------------------|--|
|  | Number of mines | Short<br>tons                                     | Value at<br>mines(1)                               | Number of mines | Short                               | Value at mines (1)                                 |
|  |                 |   | \$   |                 |                                     | \$   |
| Nova Scotia - Bituminous                         | 8               | 3,738,487   | 26,823,213   | 7               | 3,132,321                           | 25,099,048   |
| New Brunswick - Bituminous                       | 14(2)           | 837,963   | 7,489,617  | 8               | 797,334                             | 7,329,346  |
| Saskatchewan - Lignite                           | 3               | 2,008,147   | 3,620,962  | 3               | 2,250,219                           | 4,164,841  |
| Alberta: Bituminous Sub-bituminous               | 6 29            | 937,836<br>2,663,723                              | 6,252,718<br>5,480,027                             | 5<br>23         | 948,480<br>2,976,634                | 6,864,139<br>5,236,345                             |
| Totals   | 35              | 3,601,559   | 11,732,745   | 28              | 3,925,114                           | 12,100,484   |
| British Columbia - Bituminous                    | 4               | 1,207,686   | 6,600,946  | 3               | 903,289                             | 5,242,174  |
| Yukon - Bituminous                               | 1               | 1,912   | 15,791   | -               | des                                 | -  |
| Canada: Bituminous Sub-bituminous Lignita Totals | 33<br>29<br>3   | 6,723,884<br>2,663,723<br>2,008,147<br>11,395,754 | 47,182,285<br>5,480,027<br>3,620,962<br>56,283,274 | 23<br>23<br>3   | 5,781,424<br>2,976,634<br>2,250,219 | 44,534,707<br>5,236,345<br>4,164,841<br>53,935,893 |

TABLE 3. Summary of Coal Statistics for 1968 - Production, Exports, Interprovincial Shipments, Landed Imports,(1) and Coal made available for Consumption, by Provinces and by Kinds

|   |                      | Canadia            | n coal             |                    | Imported coal         |
|---|----------------------|--------------------|--------------------|--------------------|-----------------------|
| Province                                    | Production           | Received from      | Mine sh            | ipments            | From                  |
|   | FIOGUCETON           | provinces          | To other provinces | For export         | U.S.A.                |
| Newfoundland:                               |                      |                    | short tons         |                    |                       |
| Anthracite                                  |                      | 31,568             | * * *              |                    | 1,535<br>7,707        |
| Totals                                      |                      | 31,568             |                    | • • •              | 9,242                 |
| Prince Edward Island - Bituminous           |                      | 18,139             | * * *              |                    |                       |
| Nova Scotia - Bituminous                    | 3,132,321            | ~                  | 2,056,476          | 8,627              | 518,302               |
| New Brunswick: Anthracite Bituminous Totals | 797, 334<br>797, 334 | 148,369<br>148,369 | 93,751             | 141,172<br>141,172 | 1,526<br>265<br>1,791 |
| Quebec:                                     |                      |                    |                    |                    | -,                    |
| Anthracite                                  |                      | 914,010            | • • •              | •••                | 290,298<br>525,542    |
|   |                      | 914,010            |                    | * * *              | 815,840               |
| Ontario:(2) Anthracite                      | • • •                | 1,093,499          |                    |                    | 175,975<br>15,801,630 |
| Sub-bituminous                              | • • •                | 2,562              |                    | • • •              | -                     |
| Lignite                                     | • • •                | 159,112            |                    |                    | 15,977,605            |
|   | •••                  | 2,233,273          |                    |                    | 23,577,000            |
| Anitoba: Bituminous                         |                      | 127,287            |                    |                    | 5.5                   |
| Sub-bituminous                              | • • •                | 73,558<br>510,400  | • • •              | • • •              | -                     |
|   | • • •                |                    | • • •              | * * *              |                       |
| Totals                                      |                      | 711,245            |                    |                    | 5.5                   |

See footnotes at end of table.

<sup>(1)</sup> Value at mines revised to exclude subvention payments.
(2) Represents number of companies filing returns. Some companies sub-lease to small operators for limited periods of time.



TABLE 3. Summary of Coal Statistics for 1968 - Production, Exports, Interprovincial Shipments, Landed Imports,(1) and Coal made available for Consumption, by Provinces and by Kinds - Concluded

|                    |            | Canadia              | n coal             |                | Imported coal |
|--------------------|------------|----------------------|--------------------|----------------|---------------|
| Province           | Production | Received from        | Mine sh            | ipments        | From          |
|                    | 1100000100 | provinces            | To other provinces | For export     | U.S.A.        |
|                    |            |                      | short tons         |                |               |
| Saskatchewan:      |            | 1                    |                    |                | 1             |
| Anthracite         | _          | _                    |                    |                | 30            |
| Bituminous         | -          | 94                   |                    |                | 30            |
| Sub-bituminous     |            | 175,992              | 40                 |                | _             |
| Lignite            | 2,250,219  | -                    | 669,512            | 13,025         |               |
| Totals             | 2,250,219  | 176,086              | 669,512            | 13,025         | 30            |
| Alberta:           |            |                      |                    |                |               |
| Bituminous         | 948,480    | 161                  | 99.894             | 010 071        |               |
| Sub-bituminous     | 2,976,634  | -                    | 307,352            | 818,871<br>115 | -             |
| Totals             | 3,925,114  | 161                  | 407,246            | 818,986        | -             |
| British Columbia:  |            |                      |                    |                |               |
| Anthracite         |            | : 1                  |                    |                |               |
| Bituminous         | 903,289    | 87,305               | 170,311            | 450,506        | 83            |
| Sub-bituminous     | -          | 55,240               | - 170,511          | 430,306        | 20            |
| Totals             | 903,289    | 142,545              | 170,311            | 450,506        | 103           |
| Yukon - Bituminous |            | -                    | -                  | 80-            | _             |
| Canada:            |            |                      |                    |                |               |
| Anthracite         |            |                      |                    |                |               |
| Bituminous         | 5,781,424  | 2 / 20 / 20          | 2 (20 (22          | 1 /10          | 469,447       |
| Sub-bituminous     | 2,976,634  | 2,420,432<br>307,352 | 2,420,432          | 1,419,176      | 16,853,521    |
| Lignite            | 2,250,219  | 669,512              | 307,352<br>669,512 | 115<br>13,025  | -             |
| Totals             | 11,008,277 | 3,397,296            | 3,397,296          | 1,432,316      | 17,322,968    |

<sup>(1)</sup> Direct imports into each province.

TABLE 4. Employees, Salaries and Wages in Coal Mines, by Provinces, 1967 and 1968

|                                   | Number                       | of man-day          | s worked                       | Averag          | e number          | of emplo         | yees                | Sal                             | laries and wa                      | iges                              |
|-----------------------------------|------------------------------|---------------------|--------------------------------|-----------------|-------------------|------------------|---------------------|---------------------------------|------------------------------------|-----------------------------------|
| Province                          | Surface                      | Under-              | Total                          | Salaried        | Wage-ea           | rners            | m 1                 | 0.1                             | *7                                 |                                   |
|                                   | Surrace                      | ground              | 10021                          | em-<br>ployees  | Surface           | Under-<br>ground | Total               | Salaries                        | Wages                              | Total                             |
| 1967                              |                              |                     | †                              | umber           | ì                 | 1                | 1                   |                                 | dollars                            |                                   |
| Nova Scotia                       | 195,966<br>145,073           | 1,166,266<br>51,633 | 1,362,232                      | 414             | 508<br>430        | 4,781            | 5,703<br>715        | 2,345,304                       | 25,926,678<br>2,967,854            | 28,271,982                        |
| askatchewan                       | 39,683<br>154,166            | 110,806             | 39,683<br>264,972              | 26<br>168       | 140<br>503        | 455              | 166<br>1,126        | 176,134<br>1,002,499            | 798,217<br>5,098,764               | 974,35<br>6,101,26                |
| ukon                              | 61,091                       | 55,901<br>432       | 116,992<br>673                 | 94              | 206               | 214<br>2         | 514                 | 506,088                         | 2,004,825                          | 2,510,913                         |
| <u>1968</u>                       | 596,220                      | 1,385,038           | 1,981,258                      | 771             | 1,788             | 5,668            | 8,227               | 4,325,999                       | 36,806,622                         | 41,132,62                         |
| ova Scotiaew Brunswick            | 176,915<br>144,800<br>37,349 | 1,025,977<br>36,687 | 1,202,892<br>181,487<br>37,349 | 418<br>61<br>24 | 477<br>423<br>122 | 4,416<br>158     | 5,311<br>642<br>146 | 2,408,320<br>335,832<br>185,660 | 25,699,481<br>2,781,941<br>844,217 | 28,107,80<br>3,117,77<br>1,029,87 |
| lberta<br>ritish Columbia<br>ukon | 146,014<br>74,515            | 103,987<br>45,729   | 250,001<br>120,244             | 154<br>96       | 484<br>240<br>-   | 434<br>162       | 1,072<br>498        | 1,005,157<br>487,422            | 5,263,475<br>2,478,036             | 6,268,63<br>2,965,45              |
| Canada                            | 579,593                      | 1,212,380           | 1,791,973                      | 753             | 1,746             | 5,170            | 7,669               | 4,422,391                       | 37,067,150                         | 41,489,54                         |

Note: Data on administrative and office employees and their earnings refer only to those employed at the mines.

<sup>(2)</sup> Includes Head of Lakes.

<sup>...</sup> Figures not appropriate or not applicable.

Note: In addition to the above, 6,452 tons of briquettes were imported from the United States.



TABLE 5. Supply and Demand of Coal for years 1958-68

|          |  | 101 years 1930-68        |                        |                      |
|----------|--|--------------------------|------------------------|----------------------|
| No.      |  | 1958                     | 1959                   | 1960                 |
|          |  |                          | short tons             |                      |
|          | Supply   |                          |                        |                      |
|          | Domestic production:                                       |                          |                        |                      |
| 1        | Bituminous   | 7,748,289                | 6,945,459              | 7,299,764            |
| 2        | Sub-bituminous Lignite                                     | 1,685,645                | 1,733,883              | 1,540,577            |
| ,        |  | 2,253,176                | 1,947,380              | 2,170,797            |
| 4        | Totals   | 11,687,110               | 10,626,722             | 11,011,138           |
|          | Landed imports:  |                          |                        |                      |
| 5        | Anthracite   | 1,494,702                | 1,456,366              | 1,199,809            |
|          | Bituminous   | 11,831,203               | 12,147,655             | 11,090,245           |
| 7        | Totals   | 13,325,905               | 13,604,021             | 12,290,054           |
| 8        | Total inventory change(1)                                  | - 1,631,013              | - 1,066,993            | - 267,102            |
| 9        | Total coal available                                       | 26,644,028               | 25,297,736             | 23,568,294           |
|          | Demand   |                          |                        |                      |
|          | Industrial consumption:                                    |                          |                        |                      |
| 10<br>11 | Electric utilities   | 1,654,936                | 1,419,122              | 1,846,149            |
| 12       | Mining   | 352,612<br>9,262,639     | 355,095  <br>8,439,373 | 310,579<br>7,953,217 |
| 13       | Totals   |                          |                        |                      |
|          |  | 11,270,187               | 10,213,590             | 10,109,945           |
| 14       | Retail sales   | 5 000 060                | 5 (11 05)              |                      |
| 15<br>16 | Railways for own consumption                               | 5,908,868  <br>2,032,979 | 5,611,251              | 4,615,323<br>655,418 |
| 17       | Ship's bunker for own consumption                          | 383,241<br>253,000       | 306,516<br>295,000     | 306,494<br>307,000   |
| 18       | Totals   |                          |                        |                      |
|          | 100 also   | 8,578,088                | 7,410,173              | 5,884,235            |
| 10       | Coal mine disposition:                                     |                          |                        |                      |
| 19       | Used in colliery boilers, shops, railway Sold to employees | 160,246                  | 124,249                | 102,219              |
| 21       | Sold direct to domestic consumers (less employees)         | 145,472<br>688,562       | 141,899<br>709,369     | 122,230<br>635,740   |
| 22       | Total disposition mines                                    | 994,280                  | 975,517                | 860,189              |
|          |  |                          |                        |                      |
|          | Exports:   |                          |                        |                      |
| 23       | United Kingdom   |                          | -                      | 6,632                |
| 25       | United States Japan  | 321,744<br>5,240         | 273,912<br>190,722     | 241,892<br>604,397   |
| 26       | St. Pierre Other   | 11,393                   | 9,134                  | -                    |
| 28       |  | 167                      | -                      | -                    |
|          | Totals   | 338,544                  | 473,768                | 852,921              |
| 29       | Coal used for manufacture of coke(3)                       | 4,788,958                | 5,654,781              | 5,288,217            |
|          | Loss   | 60,754                   | 112,751                | 234,781              |
| 31 32    | Total reported consumption Unaccounted for                 | 26,030,811               | 24,840,580             | 23,230,288           |
| 33       |  | 613,217                  | 457,156                | 338,006              |
|          | Total demand   | 26,644,028               | 25,297,736             | 23,568,294           |
| (1)      | Includes docks.  |                          |                        |                      |

<sup>(1)</sup> Includes docks.
(2) Total as reported by industrial consumers.



TABLE 5. Supply and Demand of Coal for years 1958-68

|                        |                        |                                   |   | cmand of Goal 10.                               | ,           |   |   | Ţ        |
|------------------------|------------------------|-----------------------------------|---|---|---|---|---|----------|
| 1961                   | 1962                   | 1963                              | 1964  | 1965  | 1966  | 1967  | 1968                                    |          |
|                        | 1                      |                                   | sho   | ort tons  |   |   |   | No.      |
|                        |                        |                                   |   |   |   |   |   |          |
|                        |                        |                                   |   |   |   |   |   |          |
| 6,827,253<br>1,361,600 | 6,531,292<br>1,497,171 | 7,047,845<br>1,654,293            | 7,220,372<br>2,104,912                          | 6,969,931<br>2,554,752                          | 6,725,719<br>2,587,685                            | 6,723,884<br>2,663,723                          | 5,781,424<br>2,976,634                  | 1 2      |
| 2,208,851              | 2,256,306              | 1,873,556                         | 1,994,039                                       | 2,063,933                                       | 2,078,165   | 2,008,147                                       | 2,250,219                               | 3        |
| 10,397,704             | 10,284,769             | 10,575,694                        | 11,319,323                                      | 11,588,616                                      | 11,391,569  | 11,395,754                                      | 11,008,277                              | 4        |
|                        |                        |                                   |   |   |   |   |   |          |
| 985,217<br>11,147,232  | 851,668<br>11,469,709  | 807,375<br>13,933,073             | 626,979<br>14,111,563                           | 623,510<br>15,646,223                           | 582,308   | 551,023   | 469,447                                 | 5        |
| 12,132,449             | 12,321,377             | 14,740,448                        | 14,738,542                                      | 16,269,733                                      | 15,748,406  | 15,261,425                                      | 16,853,521<br>17,322,968                | 6        |
| - 265,166              | - 775,148              | + 363,672                         | - 65,008  | + .708,298                                      | + 991,698   | + 629,099                                       | - 452,819                               | 8        |
| 22,795,319             | 23,381,294             | 24,952,470                        | 26,122,873                                      | 27,150,051                                      | 26,730,585  | 26,579,103                                      | 28,784,064                              | 9        |
|                        |                        |                                   |   |   |   |   |   |          |
|                        |                        |                                   |   |   |   |   |   |          |
| 2,253,398              | 3,725,005              | E 150 170                         | 6 267 520                                       | 7 701 71/                                       | 7 070 700   |   |   |          |
| 236,215<br>7,452,013   | 195,803<br>6,778,062   | 5,150,179<br>186,739<br>6,898,975 | 6,264,520<br>179,355                            | 7,721, 714                                      | 7,878,780   | 9,113,373                                       | 11,098,800                              | 10       |
| 9,941,626              | 10,698,870             | 12,235,893                        | 7,228,518<br>13,672,393 <sup>r</sup>            | 7,435,269<br>15,310,074 <sup>r</sup>            | 6,996,985   | 6,388,307                                       | 17 071 060/2)                           | 12       |
| 1,012,020              | 20,000,00              | 22,233,033                        | 13,072,333                                      | 13,310,074                                      | 15,017,304°                                       | 15,638,102 <sup>r</sup>                         | 17,071,069(2)                           | 13       |
| 4,026,780              | 3,540,615              | 3,087,777                         | 2,627,714                                       | 2,062,186                                       | 1,733,732   | 1,349,261                                       | 1,062,570                               | 14       |
| 476,752<br>252,111     | 386,834<br>246,524     | 324,513<br>261,369                | 283,418<br>317,780                              | 223,000<br>343,119                              | 211,801<br>410,222                                | 162,537<br>334,396                              | 132,042<br>179,768                      | 15       |
| 320,000                | 279,000                | 231,000                           | 203,000   | 183,000   | 169,000   | 176,000   | 173,000                                 | 17       |
| 5,075,643              | 4,452,973              | 3,904,659                         | 3,431,912                                       | 2,811,305                                       | 2,524,755   | 2,022,194                                       | 1,547,380                               | 18       |
|                        |                        |                                   |   |   |   |   |   |          |
| 66,589                 | 47,262                 | 52,257                            | 53,222  | 50,289  | 46,314 <sup>r</sup>                               | 38,653  | 35,253                                  | 19       |
| 697,554                | 124,038<br>654,480     | 117,189<br>615,187                | 119,214<br>618,003                              | 118,147   | 102,176<br>518,610                                | 99,079<br>459,451                               | 87,794<br>382,863                       | 20       |
| 889,472                | 825,780                | 784,633                           | 790,439   | 801,811   | 667,100r  | 597,183   | 505,910                                 | 22       |
|                        |                        |                                   |   |   |   |   |   |          |
| -                      | . 50                   | _                                 |   | -   | 58  | -   |   | 23       |
| 249,504<br>685,263     | 250,328<br>639,040     | 274,759<br>772,470                | 303,028<br>984,846                              | 198,020<br>1,023,134                            | 167,148<br>1,059,502                              | 169,361<br>1,167,055                            | 172,043<br>1,273,222                    | 24<br>25 |
| 4,569                  | 4,501                  | 7,138                             | 3,790   | 4,825<br>15                                     | 2,097<br>15                                       | 1,929   | 1,588<br>159                            | 26<br>27 |
| 939,336                | 893,919                | 1,054,367                         | 1,291,664                                       | 1,225,994                                       | 1,228,820   | 1,338,353                                       | 1,447,012                               | 28       |
| 5,330,542              | E / E0 000             | E 0/0 050                         | ( 000 000                                       | 6 000 170                                       | 6.077.000   | 5 007 575                                       | 7 500 715                               | 29       |
| 62,411                 | 5,452,320<br>68,738    | 5,842,253<br>123,743              | 6,023,035<br>100,012                            | 6,058,470<br>88,574                             | 6,044,289 211,696                                 | 5,987,575<br>254,420                            | 7,522,715<br>45,340                     | 30       |
| 22,239,030<br>556,289  | 22,392,600<br>988,694  | 23,945,548                        | 25,309,455 <sup>r</sup><br>813,418 <sup>r</sup> | 26,296,228 <sup>r</sup><br>853,823 <sup>r</sup> | 25,693,964 <sup>r</sup><br>1,036,621 <sup>r</sup> | 25,837,827 <sup>r</sup><br>741,276 <sup>r</sup> | 28,139,426<br>644,638                   | 31<br>32 |
| 22,795,319             | 23,381,294             | 24,952,470                        | 26,122,873                                      | 27,150,051                                      | 26,730,585  | 26,579,103                                      | 28,784,064                              | 33       |
| (3) Charged to         |                        | 2,,,,,,,,,                        | 20,222,073                                      | 27,230,032                                      | 27,130,300  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,         | , |          |

<sup>(3)</sup> Charged to ovens plus incidental coke plant consumption.
. Figures not available.



TABLE 6. Subvention Payments to Coal Operators and Others, by Provinces, 1967 and 1968

|  |                                    | -                                      |  | , by frovinces, fy | 07 alla 1900                           |  |
|--|------------------------------------|--|--|--------------------|--|--|
|  |                                    | 1967                                   |  |                    | 1968                                   |  |
| Province and kind of coal                        | Sub                                | vention payments                       |  | Sub                | vention payments                       |  |
|  | Coal operators                     | Others                                 | Total  | Coal operators     | Others                                 | Total  |
|  |                                    | dollars                                |  |                    | dollars                                |  |
|  | 1                                  | 1                                      |  |                    | 1                                      |  |
| Nova Scotia - Bituminous                         | 29,480,744                         | 102,581                                | 29,583,325                                   | 6,097,217          | 33,357                                 | 6,130,574                                    |
| New Brunswick - Bituminous                       | 2,420,594                          | 734                                    | 2,421,328                                    | 2,818,673          | -                                      | 2,818,673                                    |
| Saskatchewan - Lignite                           |                                    | 186,132                                | 186,132                                      |                    | 132,960                                | 132,960                                      |
| Alberta: Bituminous                              | 1,881,760                          | 77,894<br>9,921                        | 1,959,654<br>9,921                           | 2,229,710          | 59,163<br>8,444                        | 2,288,873<br>8,444                           |
| Totals   | 1,881,760                          | 87,815                                 | 1,969,575                                    | 2,229,710          | 67,607                                 | 2,297,317                                    |
| British Columbia - Bituminous                    | 1,395,470                          | 166,702                                | 1,562,172                                    | 1,221,968          | 209,404                                | 1,431,372                                    |
| Yukon - Bituminous                               | -                                  | -                                      | *-   | -                  | -                                      | -  |
| Canada: Bituminous Sub-bituminous Lignite Totals | 35,178,568<br>-<br>-<br>35,178,568 | 347,911<br>9,921<br>186,132<br>543,964 | 35,526,479<br>9,921<br>186,132<br>35,722,532 | 12,367,568         | 301,924<br>8,444<br>132,960<br>443,328 | 12,669,492<br>8,444<br>132,960<br>12,810,896 |



or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 53 September 5, 1969



- 1. Retail Gasoline Statistics by Metropolitan Area, Second Quarter, 1969 .....
- 2. Preliminary Propane Statistics, February, 1969 ........... 3
  - 1. Retail Gasoline Statistics by Metropolitan Area

Second Quarter 1969

Retail sales of gasoline in Canada's major metropolitan areas for the second quarter of 1969 were 412.8 million gallons. This amount was dispensed though 7,243 outlets.

6503-521



|                                   |           |                |                      | Metro    | politan A | reas    |          |           |         |
|-----------------------------------|-----------|----------------|----------------------|----------|-----------|---------|----------|-----------|---------|
|                                   | Montreal* | Ottawa<br>Hull | Toronto*<br>Hamilton | Winnipeg | Regina    | Calgary | Edmonton | Vancouver | Total   |
| Outlets                           |           |                |                      |          |           |         |          |           |         |
| Number of branded outlets         | 2,207     | 418            | 2,260                | 416      | 133       | 370     | 410      | 929       | 7,143   |
| Number of other outlets           | 81        | -              | 19                   | -        | -         | _       | -        | -         | 100     |
| Totals                            | 2,288     | 418            | 2,279                | 416      | 133       | 370     | 410      | 929       | 7,243   |
| Gallonage ('000 gallons)          |           |                |                      |          |           |         |          |           |         |
| Dispensed through branded outlets | 112,125   | 23,271         | 147,212              | 23,154   | 8,033     | 20,548  | 22,631   | 52,015    | 408,989 |
| Dispensed through other outlets   | 2,606     | -              | 1,162                | -        | 60        | -       | -        | -         | 3,768   |
| Total                             | 114,731   | 23,271         | 148,374              | 23,154   | 8,033     | 20,548  | 22,631   | 52,015    | 412,757 |

Note: Due to revisions, the number of service stations of each area does not compare exactly with the previous quarter.
\* In Montreal and Toronto-Hamilton branded and other outlets are shown separately.

Using estimated vehicles registration statistics, passenger cars per service station in the eight metrolpolitan areas averaged 391. The Toronto-Hamilton area has an average of 456 passenger cars per station followed by Ottawa-Hull with 443, Winnipeg and Vancouver 407, Regina 365, Calgary 357, Edmonton 341 and Montreal 324.

Population per car in these metropolitan areas is estimated at 3.0. This compares fovourably with the Canada figure of 3.4. The city of Vancouver has a population per car of 2.5, followed by Calgary, Toronto-Hamilton, Ottawa-Hull, Regina, Edmonton, Winnipeg and Montreal with the last area registering a ratio of 3.7 persons per car.

During the second quarter of 1969, gasoline sold through retail pump outlets in the metropolitan areas averaged 128 gallons per vehicle. Regina shows an average of 138 gallons; Montreal 137; Edmonton 131; Toronto-Hamilton 128; Calgary 127; Vancouver 121 and Ottawa-Hull 113.

With the exception of Montreal, Ottawa-Hull and Toronto-Hamilton, Metropolitan areas are identical with census metropolitan areas. Estimates of population and number of vehicles for the eight metropolitan areas are as follows:

|                  | Population*<br>1st June 1968 | Passenger cars(1, 2)* | Commercial vehicles(1)* |
|------------------|------------------------------|-----------------------|-------------------------|
| Manager          |                              |                       |                         |
| Montreal         | 2,744,000                    | 740,700               | 99,700                  |
| Ottawa-Hull      | 527,000                      | 185,300               | 19,900                  |
| Toronto-Hamilton | 2,866,000                    | 1,039,700             | 123,800                 |
| Winnipeg         | 523,000                      | 169,500               | 23,300                  |
| Regina           | 137,000                      | 48,600                | 9,600                   |
| Calgary          | 361,000                      | 132,200               | 29,000                  |
| Edmonton         | 425,000                      | 140,000               | 33,100                  |
| Vancouver        | 953,000                      | 378,500               | 50, 100                 |
| Canada, total    | 20,744,000                   | 6,051,800             | 1,788,500               |

<sup>(1) 1968</sup> registrations

<sup>(2)</sup> Taxis included.
\* Estimates.



## 2. Preliminary Propane Statistics February 1969

Sales of propane to final consumers in February 1969 amounted to 1,137,852 barrels while 1,053,182 barrels were exported.

Deliveries for petrochemicals and other products totalled 261,649 barrels.

Due to lack of data, a further breakdown of sales to final consumers is not possible except for the province of Alberta where Residential and Commercial users accounted for 260,760 barrels and 4,724 barrels were sold for industrial purposes.

Confidentiality requires that supply figures for the Atlantic provinces be incorporated with those of Quebec.

GAS PROCESSING PLANT AND REFINERY PROPANE - SUPPLY AND DISPOSITION, FEBRUARY 1969

|  | Atlantic | Quebec  | Ontario  | Manitoba<br>and<br>Saskatchewan | Alberta   | British<br>Columbia | Canada    |
|--|----------|---------|----------|---------------------------------|-----------|---------------------|-----------|
|  |          |         |          | barrels                         |           |                     |           |
| <u>Supply</u>  |          |         |          |                                 |           |                     |           |
| Processing plant production less returned to formation | e-       | _       | 0.0      | 60,097                          | 1,249,929 | 38,395              | 1,348,421 |
| Refinery production                                    | -        | 187,590 | 197,352  | 18,503                          | _         | 32,205              | 435,650   |
| Imports  | -        | 1,650   | _        | -                               | 3,180     | _                   | 4,830     |
| Inventory Change                                       | -        | 23,368  | (19,652) | 369,024                         | 170,591   | 112,751             | 656,082   |
| LPG available for consumption                          | -        | 212,608 | 177,700  | 447,624                         | 1,423,700 | 183,351             | 2,444,983 |
| Inter-provincial transfers in                          | -        | 79,170  | 159,458  | 186,285                         | _         | 415,684             | 840,597   |
| Total  | -        | 291,778 | 337,158  | 633,909                         | 1,423,700 | 599,035             | 3,285,580 |
|  |          |         |          |                                 |           |                     |           |
| Disposition  |          |         |          |                                 |           |                     |           |
| Plant and refinery use                                 | 60       | 9,800   | 500      | 2,900                           | 2,030     |                     | 15,230    |
| Gas enrichment   | -        | _       | _        | -                               | 516       | -                   | 516       |
| discible flood   | -        | -       |          | _                               | -         | -                   | _         |
| Petrochemical and other producers                      | 84       | 33,689  | 118,069  | (10)                            | 109,817   |                     | 261,649   |
| final consumers  | 38,034   | 198,387 | 218,400  | 243,121                         | 265,484   | 174,426             | 1,137,852 |
| xports   | -        | -       | -        | 235,615                         | 384,718   | 432,849             | 1,053,182 |
| Osses and adjustments                                  | (203)    | 9,924   | 189      | 25,928                          | (37,194)  | (12,765)            | (14,121)  |
| PG consumed  | 37,915   | 251,800 | 337,158  | 507,554                         | 725,371   | 594,510             | 2,454,308 |
| nter-provincial transfers out                          | -        | 2,063   | -        | 126,355                         | 698,329   | 4,525               | 831,272   |
| Total  | 37,915   | 253,863 | 337,158  | 633,909                         | 1,423,700 | 599,035             | 3,285,580 |



For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

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Crude Petroleum and Natural Gas Production,

February and March 1969

Production of crude petroleum and equivalent hydrocarbons during February 1969 amounted to 34,158,369 barrels (1,219,942 barrels per day), an increase of 2.6 per cent or 72,246 barrels per day from February 1968. According to preliminary data, the March production was 39,988,709 barrels, (1,289,958 barrels per day) up 13.0% from the comparable 1968 data.

Natural gas production during February 1969 increased 16.2 per cent to 184,181,708 Mcf. from 158,535,647 in February 1968. While Natural gas preliminary figures in March 1969 indicate an increase of 9.0 per cent to 198,892,802 Mcf. from 182,478,708 Mcf. in March 1968.

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D.B.S. Regional Offices - St. Johns • Halifax • Montreal • Toronto • Winnipeg • Edmonton • Vancouver



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| TABLE 2. Supply and Disposition of Crude Oil and E.  | Crude Oil and    | Equivalent, | by Source,                           | Canada, February 1969                        | uary 1969   |  |                          |   |                             |  |
|--|------------------|-------------|--------------------------------------|--|---|--|--------------------------|---|-----------------------------|--|
|  | New<br>Brunswick | Ontario     | Manitoba                             | Saskat-<br>chewan                            | Alberta   | British<br>Columbia                          | Northwest<br>Territories | Total<br>Canadian<br>sources                                  | Total<br>Foreign<br>sources | Total<br>all<br>sources  |
| Supp1y   |                  |             |                                      |  | barrels of 35   | Canadian                                     | gallons                  |   |                             |  |
| Domestic production Crude oil Synthetic crude oil Less returned to formation   | 594              | 92,655      | 470,199                              | 6,857,620                                    | 21,758,671<br>568,931<br>442,176                            | 1,775,558                                    | 65,898                   | 31,021,195<br>568,931<br>451,585                              | : : :                       | 31,021,195<br>568,931<br>451,585   |
| Totals   | 294              | 92,655      | 470,199                              | 6,857,620                                    | 21,885,426  | 1,775,558                                    | 56,489                   | 31,138,541  |                             | 31,138,541   |
| Condensate   | 1 1              | 1 (         | , ,                                  | 22,600                                       | 53,611<br>2,857,601   | 7,675  | 1 1                      | 61,286  | • •                         | 61,286   |
| Net withdrawals  | 594              | 92,655      | 470,199                              | 6,880,220                                    | 24,796,638  | 1,861,574                                    | 56,489                   | 34,158,369  | •                           | 34,158,369   |
| Imports  | •                | •           |                                      | •  | •   | •  | :                        |   | 15,067,923                  | 15,067,923   |
| Total supply   | 294              | 92,655      | 470,199                              | 6,880,220                                    | 24,796,638  | 1,861,574                                    | 56,489                   | 34,158,369  | 15,067,923                  | 49,226,292   |
| Disposition  |                  |             |                                      |  |   |  |                          |   |                             |  |
| Atlantic Provinces Atlantic Provinces Quebec. Ontario Manitoba Saskatchewan Alberta British Columbia Northwest Territories | 1 1 1 1 1 1 1    | 92,655      | 2229,671                             | 3,649,739<br>754,324<br>129,843              | 5,977,347<br>503,609<br>1,781,131<br>3,108,691<br>1,428,813 | 1,381,885                                    | 7799                     | 9,949,412<br>1,272,433<br>1,910,974<br>3,108,691<br>2,810,698 | 3,436,411                   | 3,436,411<br>11,628,905<br>9,949,412<br>1,272,433<br>1,910,974<br>3,108,691<br>2,810,698 |
| Totals   | 1                | 92,655      | 244,171                              | 4,533,906                                    | 12,799,591  | 1,381,885                                    | 44,644                   | 19,096,852  | 15,065,316                  | 34,162,168   |
| Exports to U.S.A. Petroleum Administration District I II V   | 1 1 1            | 1 1 1       | 217,526                              | 162,924<br>2,085,612                         | 1,926,831<br>5,086,250<br>717,805<br>4,764,441              | 525,899                                      | 1 1 1 1                  | 2,089,755<br>7,389,388<br>717,805<br>5,290,340                |                             | 2,089,755<br>7,389,388<br>717,805<br>5,290,340   |
| Totals   | 1                | 1           | 217,526                              | 2,248,536                                    | 12,495,327  | 525,899                                      | 1                        | 15,487,288  | 1                           | 15,487,288   |
| Inventories Opening - Field and plant Transporters' Closing - Field and plant Transporters'                                | 5,267            | 1 1 1       | 70,897<br>63,134<br>83,394<br>60,156 | 446,992<br>5,045,974<br>407,039<br>5,127,977 | 1,802,591<br>26,452,190<br>1,669,580<br>25,887,276          | 26,090<br>1,453,912<br>- 33,774<br>1,327,549 | 87,458                   | 2,387,115<br>33,015,210<br>2,230,164<br>32,402,958            | 359,835                     | 2,387,115<br>33,375,045<br>2,230,164<br>32,762,793                                       |
| Net change   | - 645            | 1           | 9,519                                | 42,050                                       | - 697,925   | - 134,047                                    | 11,845                   | - 769,203   | 1                           | - 769,203  |
| Deliveries to other purchasers Pipeline fuel Field and plant use Losses and adjustments                                    | 1,150            | 1 1 1 1     | - 1,017                              | 7,915  | 81<br>14,177<br>59,433<br>125,954                           | 1,040  | 1 1 1 1                  | 2,271<br>14,177<br>67,348<br>259,636                          | 2,607                       | 2,271<br>14,177<br>67,348<br>262,243   |
| Total disposition  | 594              | 92,655      | 470,199                              | 6,880,220                                    | 24,796,638  | 1,861,574                                    | 56,489                   | 34,158,369  | 15,067,923                  | 49,226,292   |
| Figures not appropriate or not applicable,   | pplicable.       |             |                                      |  |   |  |                          |   |                             |  |



TABLE 3. Supply and Disposition of Natural Cas by Source, Canada, February 1969

|           |  |                  | γ      |            |                        |
|-----------|--|------------------|--------|------------|------------------------|
| No.       |  | New<br>Brunswick | Quebec | Ontario    | Saskatchewan           |
|           |  |                  | Mcd    | F.         |                        |
|           | A. FIELD AND PROCESSING PLANTS                           |                  | 1      | 1          |                        |
|           | Supply   |                  |        |            |                        |
| 1         | Gross new production                                     | 10,840           | 10.000 |            |                        |
| 2         | Less field flared and waste                              | -                | 12,608 | 1,019,257  | 6,231,920<br>858,133   |
| 3         | Net new production (1 - 2)                               | 10,840           | 12,608 | 1,019,257  | 5,373,787              |
| 4         | Reproduced   |                  | _      | -          |                        |
| 5         | Less injected and stored                                 | -                | -      | -          | -                      |
| 6         | Net withdrawals  | 10,840           | 12,608 | 1,019,257  | 5,373,787              |
|           |  |                  |        |            |                        |
|           | Disposition  |                  |        |            |                        |
| 7         | Field disposition and uses                               | 212              | -      | -          | 311,138                |
| 8         | Gathering system disposition and uses                    | -                | -      | -          | 119,023                |
| 9a<br>9b  | Processing shrinkage<br>Other disposition and uses       | -                | -      | -          | 163,498                |
| 10        | Other uses   | -                | -      | -          | 166,235<br>80,936      |
| 11        | Adjustment Deliveries of marketable gas                  | 10,628           | 12,608 | 1,019,257  | 21,855<br>4,511,102    |
| 13        |  |                  |        |            |                        |
| 13        | Total disposition  | 10,840           | 12,608 | 1,019,257  | 5,373,787              |
|           | B. GAS UTILITIES   |                  |        |            |                        |
|           | **************************************                   |                  |        |            |                        |
|           | Supply   |                  |        |            |                        |
| 14<br>14a | Receipts of marketable gas Plants                        |                  | _      | 7,333      | 1 750 240              |
| 14Ъ       | Fields   | 10,628           | 12,608 | 1,011,924  | 1,759,249<br>2,751,853 |
| 15        | Total (14a + 14b)  | 10,628           | 12,608 | 1,019,257  | 4,511,102              |
| 16        | Receipts from distributor storage                        | -                | -      | 9,239,202  | 560,308                |
| 17<br>17a | Imports  | -                | -      | _          | -                      |
|           | Other receipts(1)  | -                | -      | 428        | -                      |
| 18        | Total supply of marketable gas                           | 10,628           | 12,608 | 10,258,887 | 5,071,410              |
|           |  |                  |        |            |                        |
|           | Disposition  |                  |        |            |                        |
|           | Sales  |                  |        |            |                        |
| 19        | British Columbia   |                  |        |            |                        |
| 20        | Alberta  | -                | -      | -          | -                      |
| 21 22     | Saskatchewan   | -                | -      | -          | 6,582,855              |
| 23        | Manitoba<br>Ontario                                      | -                | -      | 10,451,833 | -                      |
| 24        | Quebec   | -                | 12,608 | -          | _                      |
| 25        | New Brunswick  | 6,424            | -      | -          | -                      |
| 26        | Total sales (19 to 25 inclusive)                         | 6,424            | 12,608 | 10,451,833 | 6,582,855              |
| 27        | Exports  | _                | -      |            |                        |
| 28        | Other deliveries(2)                                      | -                | -      | -          | -                      |
| 29<br>30  | Delivered to distributor storage                         | -                | -      | -          | 262,819                |
| 31        | Pipeline line pack fluctuation                           | -                | -      | 46,875     | - 14,360<br>244,207    |
| 32        | Pipeline fuel  | 4,204            |        | - 239,821  | - 2,004,111            |
| 33        |  |                  |        |            |                        |
| 75        | Total disposition of marketable gas (26 to 32 inclusive) | 10,628           | 12,608 | 10,258,887 | 5,071,410              |
| (1)       |  |                  | 22,000 |            |                        |
| (T)       | P.G. for gas enrichment, peak shaving or temporary       |                  |        |            |                        |

<sup>(1)</sup> L.P.G. for gas enrichment, peak shaving or temporary supply.
(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.



TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, February 1969

| Alberta                    | British<br>Columbia     | Northwest<br>Territories | Total<br>Canadian<br>sources | Total<br>Foreign<br>sources | Total<br>all<br>sources   |
|----------------------------|-------------------------|--------------------------|------------------------------|-----------------------------|---------------------------|
|                            |                         | Mcf.                     |                              |                             |                           |
|                            | 1                       |                          | 1                            | 1                           |                           |
|                            |                         |                          |                              |                             |                           |
| 155,064,473                | 27,900,697              | 46,177                   | 190,285,972                  |                             |                           |
| 4,431,115                  | 774,714                 | 40,302                   | 6,104,264                    | • • •                       | 190,285,973<br>6,104,264  |
| 150,633,358                | 27,125,983              | 5,875                    | 184,181,708                  |                             | 184,181,708               |
| 14,925,939                 | 606,021                 | -                        | -                            |                             |                           |
| 135,707,419                | 26,519,962              | 5.035                    | 15,531,960                   | • • •                       | 15,531,960                |
| 233,737,413                | 20,319,902              | 5,875                    | 168,649,748                  |                             | 168,649,748               |
|                            |                         |                          |                              |                             |                           |
| 707,311                    | 794,083                 | -                        | 1,812,744                    |                             |                           |
| 1,493,862                  | -                       | -                        | 1,612,885                    |                             | 1,812,744<br>1,612,885    |
| 17,631,732<br>6,488,050    | 678,219<br>2,693,330    | dua .                    | 18,473,449                   |                             | 18,473,449                |
| 95,382                     | -                       | 5,875                    | 9,347,615<br>182,193         | • • •                       | 9,347,615                 |
| - 1,726,398<br>111,017,480 | - 160,730<br>22,515,060 |                          | - 1,865,273                  | • • •                       | 182,193<br>- 1,865,273    |
| 135,707,419                | 26,519,962              |                          | 139,086,135                  | •••                         | 139,086,135               |
| 233,707,415                | 20,319,902              | 5,875                    | 168,649,748                  |                             | 168,649,748               |
|                            |                         |                          |                              |                             |                           |
|                            |                         |                          |                              |                             |                           |
|                            |                         |                          |                              |                             |                           |
| 88,311,115                 | 22,063,774              | -                        | 112,141,471                  |                             | 110 1/1 /71               |
| 22,706,365                 | 451,286                 | -                        | 26,944,664                   | • • •                       | 112,141,471<br>26,944,664 |
| 111,017,480                | 22,515,060              | -                        | 139,086,135                  |                             | 139,086,135               |
| 229,204                    | -                       | -                        | 10,028,714                   |                             | 10,028,714                |
| 117,043                    | 54                      | -                        | 117,525                      | 2,852,203                   | 2,852,203<br>117,525      |
| 111,363,727                | 22,515,114              | •                        | 149,232,374                  |                             |                           |
|                            |                         |                          | 277,232,374                  | 2,852,203                   | 152,084,577               |
|                            |                         |                          |                              |                             |                           |
|                            |                         |                          |                              |                             |                           |
| 1 070 550                  |                         |                          |                              |                             |                           |
| 1,379,550                  | 8,544,067               | -                        | 9,923,617                    | -                           | 9,923,617                 |
| 3,992,516                  | _                       | 40                       | 26,628,909<br>10,575,371     | 15,261                      | 26,644,170                |
| 6,074,054<br>24,285,783    | -                       | -                        | 6,074,054                    |                             | 10,575,371 6,074,054      |
| 4,550,808                  | -                       | -                        | 34,737,616                   | 2,836,769                   | 37,574,385                |
| -                          | -                       | -                        | 4,563,416<br>6,424           | -                           | 4,563,416<br>6,424        |
| 66,911,620                 | 8,544,067               | _                        | 92,509,407                   | 2,852,030                   | 95,361,437                |
| 40,896,439                 | 12,497,492              | -                        | 53,393,931                   |                             |                           |
| 1,585,935                  | -                       | _                        | 1,585,935                    | -                           | 53,393,931<br>1,585,935   |
| 791,210<br>439,699         | 0/, 960                 |                          | 1,054,029                    | -                           | 1,054,029                 |
| 5,211,684                  | 94,869                  | -                        | 520,208<br>7,262,667         | -                           | 520,208                   |
| - 4,472,860                | - 381,215               | -                        | - 7,093,803                  | 173                         | 7,262,667<br>- 7,093,630  |
| 111 262 707                |                         |                          |                              |                             |                           |
| 111,363,727                | 22,515,114              | -                        | 149,232,374                  | 2,852,203                   | 152,084,577               |



|   | New<br>Brunswick | Ontario | Manitoba | Saskat-<br>chewan | Alberta                          | British<br>Columbia | Northwest | Total<br>Canadian<br>sources              | Total<br>Foreign<br>sources | Total<br>all<br>sources             |
|---|------------------|---------|----------|-------------------|----------------------------------|---------------------|-----------|---|-----------------------------|-------------------------------------|
| Supply  |                  |         |          |                   | barrels of 35                    | Canadian            | gallons   |   |                             |                                     |
| Crude oil   | 999              | 100,374 | 519,698  | 7,415,547         | 26,188,774<br>732,456<br>639,175 | 2,130,114           | 75,580    | 36,430,751<br>732,456<br>652,840          | • • • •                     | 36,430,751<br>732,456<br>652,840    |
| Totals  | 999              | 100,374 | 519,698  | 7,415,547         | 26,282,055                       | 2,130,114           | 61,915    | 36,510,367                                | :                           | 36,510,367                          |
| Condensate  | d p              | 1 1     | 1 1      | 25,956            | 55,648                           | 8,863               | s 1       | 64,511                                    |                             | 64,511                              |
| Net withdrawals   | 799              | 100,374 | 519,698  | 7,441,503         | 29,642,756                       | 2,221,799           | 61,915    | 39,988,709                                |                             | 988,                                |
| Imports   |                  | •       | :        | :                 | •                                |                     |           | •   | 16,924,162                  | 16,924,162                          |
| Total supply  | 799              | 100,374 | 519,698  | 7,441,503         | 29,642,756                       | 2,221,799           | 61,915    | 39,988,709                                | 16,924,162                  | 56.912.871                          |
| Disposition   |                  |         |          |                   |                                  |                     |           |   |                             |                                     |
| Deliveries to refineries Atlantic Provinces                   | 1                | 1       | 1        | ı                 | ı                                |                     |           |   |                             |                                     |
| Quebec  | ı                | 1 1     | 1 1      | F                 | 1                                | 1 1                 | 1 1       | 1 1                                       | 4,160,337                   | 4,160,337                           |
| Manitoba  | 1 1              | 100,374 | 284,065  | 4,284,590         | 6,652,102                        | 1 1                 | 1 1       | 11,321,131                                |                             | 11,321,131                          |
| Saskatchewan  | ı                | 8       | ,        | 55,467            | 2,093,437                        | \$                  | 1 1       | 2,148,904                                 |                             | 2,148,904                           |
| British Columbia  | 3 4 6            | 1 1 1   | 1 6 6    | f 1 1             | 3,384,234<br>1,505,402           | 1,833,064           |           | 3,384,234                                 | 1 1                         | 3,384,234                           |
| Totals  | 1                | 100,374 | 300,250  | 5.050.358         | 14.219.817                       | 1 833 064           | 200,000   | 205,502                                   |                             | 65,362                              |
|   |                  |         |          |                   | , , , , ,                        | ,,,,                | 00,00     | 77,209,225                                | 16,919,715                  | 38,488,940                          |
| Exports to U.S.A. Petroleum Administration District I II IV V | 1 1 1 1          | 1 1 1 1 | 260,555  | 143,743           | 2,152,885 4,952,693 1,201,865    | I I I C             | 1 1 1     | 2, 296, 628<br>7, 397, 888<br>1, 201, 865 | 4 1 1                       | 2,296,628<br>7,397,888<br>1,201,865 |
| Totals  | 1                |         | 260,555  | 2.328.383         | 14 299 344                       | ີ ເ                 | 1         | 6,503,224                                 | 1                           | 6,503,224                           |
| Inventories Opening - Field and plant                         | 7, 623           |         | 700 00   |                   |                                  |                     |           | 000000000000000000000000000000000000000   | 5                           | 17,399,603                          |
| Transporters'   | 770 * †          | 1 1     | 60,156   | 5,127,977         | 1,669,580                        | 1,327,549           | 99,303    | 2,230,164                                 | 1 0                         | 2,230,164                           |
| Transporters'   | 3,803            | 1 1     | 69,989   | 420,000           | 1,645,841                        | 1,253,859           | 95,856    | 2,190,775                                 | 835                         | 2,190,775<br>33,711,985             |
| Net change  | - 819            | 1       | - 40,605 | 56,262            | 983,042                          | - 84,630            | - 3,447   | 909,803                                   | ,                           | 909,803                             |
| Deliveries to other purchasers                                | 1,473            | 1       | 1        | 1                 | 076                              | 1.407               | 1         | 3 820                                     |                             | 0000                                |
| Field and plant use   | 12               | 1 1     | 1 1      | 1 0               | 17,550                           |                     | ı         | 17,550                                    | 1 1                         | 17,550                              |
| Losses and adjustments  | - 2              | 1       | - 502    | 00000             | 63,113                           | - 39,365            | 1 1       | 65,462                                    | 4,447                       | 65,462 27,691                       |
| Total disposition   | 799              | 100,374 | 519,698  | 7,441,503         | 29,642,756                       | 2,221,799           | 61,915    | 39,988,709                                | 16,924,162                  | 56,912,871                          |
| Figures not appropriate or not applicable.                    | plicable.        |         |          |                   |                                  |                     |           |   |                             |                                     |

proposition of cince off and Equivalent, by Source, Canada, March 1969



TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, March 1969

| No.              |   | New<br>Brunswick | Quebec | Ontario            | Saskatchewan           |
|------------------|---|------------------|--------|--------------------|------------------------|
|                  |   |                  | Mc:    | f.                 |                        |
|                  | A. FIELD AND PROCESSING PLANTS  |                  | 1      |                    |                        |
|                  | Supply  |                  |        |                    |                        |
| 1 2              | Gross new production<br>Less field flared and waste   | 10,658           | 13,449 | 1,070,363          | 6,005,801<br>917,022   |
| 3                | Net new production (1 - 2)  | 10,658           | 13,449 | 1,070,363          | 5,088,779              |
| 4<br>5           | ReproducedLess injected and stored  | -                | -      | -                  | -                      |
| 6                | Net withdrawals   | 10,658           | 13,449 | 1,070,363          | 5,088,779              |
|                  | Disposition   |                  |        |                    |                        |
| 7<br>8<br>9      | Field disposition and uses  Gathering system disposition and uses  Processing plant disposition and uses: | 334              | -      | -                  | 314,294<br>80,165      |
| 9a<br>9b         | Other disposition and uses  | - 1              | -      | -                  | 180,969                |
| 10<br>11         | Other as a  | -                | -      | -                  | 169,627<br>124,324     |
| 12               | Adjustment  | 10,324           | 13,449 | 1,070,363          | 4,219,400              |
| 13               | Total disposition   | 10,658           | 13,449 | 1,070,363          | 5,088,779              |
|                  | B. GAS UTILITIES  |                  |        |                    |                        |
|                  |   |                  |        |                    |                        |
|                  | <u>Supply</u>   |                  |        |                    |                        |
| 14<br>14a<br>14b | Receipts of marketable gas Plants Fields  | 10,324           | 13,449 | 547,946<br>522,417 | 1,761,097<br>2,458,303 |
| 15               | Total (14a + 14h)   | 10,324           | 13,449 | 1,070,363          | 4,219,400              |
| 16<br>17<br>17a  | Receipts from distributor storage   | -                | -      | 5,472,153          | 1,117,805              |
|                  | Other receipts(1)   | -                | -      | -                  | -                      |
| 18               | Total supply of marketable gas (15 + 16 + 17 + 17a)   | 10,324           | 13,449 | 6,542,516          | 5,337,205              |
|                  | Disposition   |                  |        |                    |                        |
|                  | Sales   |                  |        |                    |                        |
| 19               |   |                  |        |                    |                        |
| 20               | British Columbia  | -                | -      | -                  | -                      |
| 21 22            | Saskatchewan  | -                | _      | -                  | 4,640,786              |
| 23               | Manitoba<br>Ontario   | -                | -      | 6,445,291          | -                      |
| 24               | Quebec  | -                | 13,449 | -                  | -                      |
|                  | New Brunswick   | 4,796            | -      | -                  | -                      |
| 26               | Total sales (19 to 25 inclusive)  | 4,796            | 13,449 | 6,445,291          | 4,640,786              |
| 27 28            | Exports   | -                | -      | -                  | -                      |
| 29               | Delivered to distributor storage  | _                |        | _                  | 190,916                |
| 30               | Pipeline line pack fluctuation  | -                | -      | 24 221             | - 5,260                |
| 32               | Pipeline fuel Pipeline losses etc.  | 5,528            | -      | 36,221<br>61,004   | 251,244<br>259,519     |
| 33               | Total disposition of marketable gas (26 to 32 inclusive)  | 10,324           | 13,449 | 6,542,516          | 5,337,205              |
| (1) I            | .P.C. for gas enrichment, peak shaving or temporary s   |                  |        |                    |                        |
| (2)              | y peak bitavitie of comporary s   |                  |        |                    |                        |

<sup>(1)</sup> L.P.G. for gas enrichment, peak shaving or temporary supply.(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.

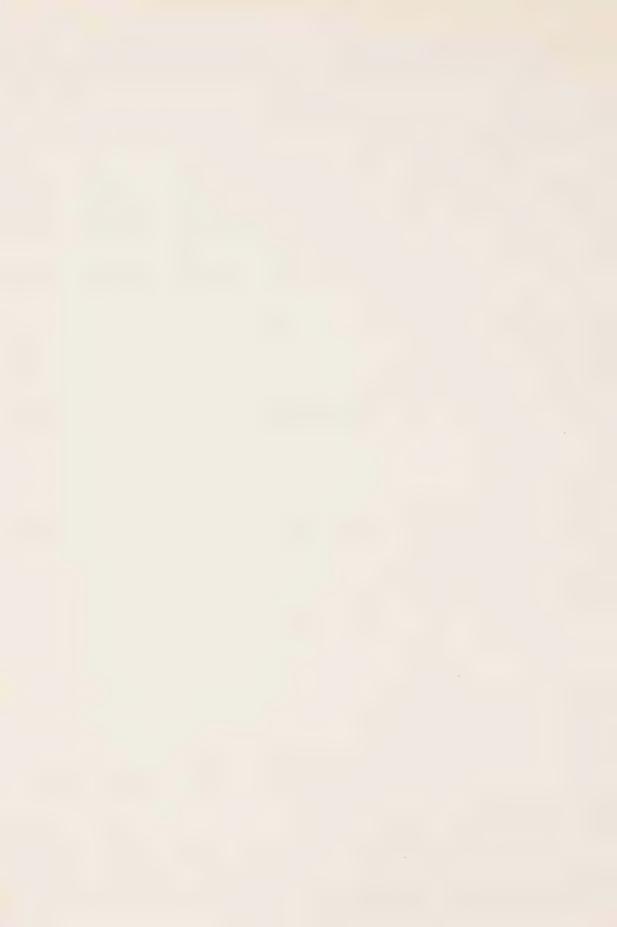


TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, March 1969

| Alberta                                 | British<br>Columbia                 | Northwest<br>Territories | Total<br>Canadian<br>sources             | Total<br>Foreign<br>sources | Total<br>all<br>sources            |
|---|-------------------------------------|--------------------------|--|-----------------------------|------------------------------------|
| ,                                       |                                     | Mcf.                     | 1.                                       |                             |                                    |
|   |                                     |                          |  |                             |                                    |
| 169,631,702<br>5,785,330                | 30,334,587<br>1,476,360             | 60,603<br>55,649         | 207,127,163 8,234,361                    | • • •                       | 207,127,163<br>8,234,361           |
| 163,846,372                             | 28,858,227                          | 4,954                    | 198,892,802                              |                             | 198,892,802                        |
| 19,210,017                              | 026,275                             | -                        | 19,836,292                               |                             | 19,835,292                         |
| 144,636,355                             | 28,231,952                          | 4,954                    | 179,056,510                              | • • •                       | 179,056,510                        |
| 721,803                                 | 598,571                             | _                        | 1,635,002                                |                             | 1,635,002                          |
| 534,151                                 | -                                   | -                        | 614,316                                  | * * *                       | 614,316                            |
| 20,437,949<br>6,018,574<br>84,190       | 636,651                             | 4,954                    | 21,255,569<br>9,085,022<br>213,468       |                             | 21,255,569<br>9,085,022<br>213,468 |
| - 488,669<br>117,328,357                | 22,981<br>24,076,928                | -                        | ~ 465,688<br>146,718,821                 | • • •                       | - 465,688<br>146,718,821           |
| 144,636,355                             | 28,231,952                          | 4,954                    | 179,056,510                              |                             | 179,056,510                        |
| 94,580,105<br>22,748,252<br>117,328,357 | 23,586,475<br>490,453<br>24,076,928 | -                        | 120,475,623<br>26,243,198<br>146,718,821 | •••                         | 120,475,623<br>26,243,198          |
| 162,232                                 | 24,070,920                          | -                        | 6,752,190                                |                             | 6,752,190                          |
| 121,608                                 | 43                                  | -                        | 121,651                                  | 4,201,424                   | 4,201,424<br>121,651               |
| 117,612,197                             | 24,076,971                          | -                        | 153,592,662                              | 4,201,424                   | 157,794,085                        |
|   |                                     |                          |  |                             |                                    |
| 1,438,348<br>23,098,778                 | 8,598,260                           | -                        | 10,036,608<br>23,098,778                 | 13,721                      | 10,036,608<br>23,112,499           |
| 3,921,803<br>5,176,239                  | _                                   | -                        | 8,562,589<br>5,176,239                   |                             | 8,562,589<br>5,176,239             |
| 25,915,727<br>4,728,200                 | -                                   | -                        | 32,361,018<br>4,741,649<br>4,796         | 4,187,546                   | 36,548,564<br>4,741,649<br>4,796   |
| 64,279,095                              | 8,598,260                           | -                        | 83,981,677                               | 4,201,267                   | 88,182,944                         |
|   | 13,621,972                          | -                        | 56,607,382<br>1,370,907                  | -                           | 56,607,382<br>1,370,907            |
| 42,985,410                              |                                     |                          | 1,669,249                                | -                           | 1,669,249                          |
| 42,985,410<br>1,370,907<br>1,478,333    | 58.835                              | -                        |  | -                           | 41.017                             |
| 42,985,410<br>1,370,907                 | 58,835<br>1,734,960<br>62,944       | -                        | 41,319<br>7,989,697<br>1,932,431         | 157                         | 41,319<br>7,989,697<br>1,932,588   |



or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613

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Catalogue No. 57-002 Vol. 4, No. 55.

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1. Electricity Bills for Domestic, Commercial and Small SEP 17 1969 Power Service 1968, Catalogue No. 57-203

The 1968 Electricity Bills Report which will be released in about two months is based on rate schedules supplied by the power companies and municipalities responsible for the distribution of electric energy in 172 Canadian municipalities. It consists of the actual cost to consumers of definite quantities of electricity for specific uses. The cost to the consumers includes not only the amounts accruing to the distributor but also all federal, provincial and municipal taxes on such purchases. Discounts for prompt payment have been deducted from gross bills wherever granted.

#### Changes in Bills During 1968

There were no changes in domestic, commercial or power bills in New Brunswick, Quebec, Saskatchewan or British Columbia. Changes in the other provinces were generally upward.

In Newfoundland, four of the six municipalities in the survey experienced increased bills while reductions occurred in Carbonear and Stephenville. The bills are now identical for all six municipalities. An increase in sales tax from 6% to 7% was partially responsible for the increase in bills.

Changes in Prince Edward Island consisted of decreases in electric heating bills and power service loads of 50 Kw and 100 Kw in Summerside.

In Nova Scotia there were increases in domestic, commercial and power service bills in Bridgewater and Glace Bay.

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There were increases in domestic service bills in 26 of the 58 municipalities in the Ontario survey. In 10 other municipalities bills were increased for low monthly energy consumptions and decreased for the higher energy consumptions. Changes in commercial (general service) rates resulted in higher bills in 18 municipalities, lower in 1 municipality (Pembroke) and a mixture of higher and lower bills depending upon billed loads and energy consumptions in 17 municipalities. Power rates were increased in 23 municipalities while a mixture of higher and lower bills occurred as a result of rate changes in 15 municipalities.

With the exception of Winnipeg and The Pas, all municipalities in the Manitoba survey had increased bills for all rate categories of service. Winnipeg bills were unchanged from 1967 and there were reductions in all rate categories in The Pas.

The only changes in Alberta were decreased commercial bills and increased power bills in Calgary.

## 2. Preliminary Electric Energy Statistics, July 1969, Catalogue 57-001

Net generation of electric energy increased 7.8 per cent to 14,504,291 thousand kwh. in July 1969 from 13,452,298 thousand kwh. in July 1968. There were increases in net generation in all provinces with the exception of Newfoundland where labour disputes in the iron ore industry were responsible for a decrease of 33 per cent. In July, as has been the case in the previous few months favourable water conditions resulted in an 8.8 per cent increase in hydro generation while output of thermal plants increased 3.9 per cent.

Imports increased 5.1 per cent and exports were up 50.0 per cent compared with July 1968. Firm energy consumption increased 6.8 per cent.

Total generation for the twelve month period ending July 31, 1969 amounted to 183,398,927 thousand kwh. compared with 182,931,934<sup>r</sup> thousand kwh. ending in June.

Seasonally adjusted, net generation in July amounted to 15,886 million kwh. compared with 15,659 million kwh. in June and 15,816 million kwh. in May. Firm energy comsumption amounted to 15,581 million kwh. on a seasonally adjusted basis, up from 15,269 million kwh. in June and 15,438 million kwh. in May.



- 3 -

# Preliminary Electric Energy Statistics (thousand kwh)

|                                 |            | July       |            |
|---------------------------------|------------|------------|------------|
|                                 | 1967       | 1968       | 1969       |
|                                 |            |            |            |
| Net generation - Hydro          | 10,517,165 | 10,774,036 | 11,721,326 |
| Thermal                         | 1,931,048  | 2,678,262  | 2,782,965  |
| Total net generation            | 12,448,213 | 13,452,298 | 14,504,291 |
| Energy imported from U.S.A      | 343,905    | 222,546    | 233,916    |
| Energy exported to U.S.A.:      |            |            |            |
| Firm                            | 43,816     | 57,330     | 62,747     |
| Secondary                       | 277,826    | 165,750    | 271,828    |
| Total exported to U.S.A         | 321,642    | 223,080    | 334,575    |
| Net energy used in Canada       | 12,470,476 | 13,451,764 | 14,403,632 |
| Secondary energy used in Canada | 112,402    | 89,564     | 131,272    |
| Firm energy used in Canada      | 12,358,074 | 13,362,200 | 14,272,360 |
| r Revised figures.              |            |            |            |



### 3. Energy Supply-Demand Balance, Canada 1958-64

Recently completed statistics indicate that the production of energy in Canada increased by almost 10 per cent per annum in the period 1958-64, with some dramatic changes in the pattern of the energy mix-coal's contribution dropping from 12.2% to 6.6%, while natural gas increased its share from 19.9% to 31.5%. With the substantial growth in the export of energy commodities, particularly natural gas and crude petroleum, the nation's reliance on imports dropped sharply - from a net import of 860 million B.T.U. in 1958 to the 1964 figure of 409 million B.T.U. This was accomplished at a time when the consumption of energy increased from 2,739 million B.T.U. to 3,659 million B.T.U. Regional data show the Prairies as having the highest per capita consumption of energy (232 million B.T.U.) while the Maritimes have the lowest (152 million B.T.U.). Ontario has the highest industrial and domestic consumption.

These and other data are available from statistical tables which measure and inter-relate the various energy forms entering the Canadian economy by using a common measuring unit, the British Thermal Unit, or B.T.U. Presented in the accompanying summary form are national data, although a complete series of balance sheets, has been compiled in both natural units and B.T.U.'s, for regions below the national level and in a more detailed form. Because confidentiality problems prevent publication on a provincial basis, statistics have been compiled for five regions:

- (a) Atlantic
- (b) Quebec
- (c) Ontario
- (d) Prairies
- (e) British Columbia, Yukon and Northwest Territories

Background information on the concepts and techniques employed are in the June 1969 edition of the Canadian Statistical Review, Catalogue No. 11-203 and in the Seventh World Power conference Paper 258 Concepts and Principles of Energy Statistics of Canada.

The complete series of balance sheets is available in preliminary form on request to the Dominion Bureau of Statistics, Energy and Minerals Section, Ottawa. Any queries or requests for information concerning the balance sheets should also be addressed to Chief, Energy and Minerals Section, Dominion Bureau of Statistics, Ottawa. Data for 1965-68 are currently under development as a second stage of the project and will be released as they become available.



Energy Supply - Demand Balance, Canada 1958 in Thousand Million B.t.u.'s

|   | Coal                                  | Coal<br>derivatives                | Liquefied<br>petroleum<br>gases | Crude<br>oil                  | Petroleum<br>derivatives                | Natural<br>gas                          | Electricity                  | Mood    | Total                                       |
|---|---------------------------------------|------------------------------------|---------------------------------|-------------------------------|---|---|------------------------------|---------|---|
| A. Primary energy supply:   |                                       |                                    |                                 |                               |   |   |                              |         |   |
| Production Exports Imports Other (stock change, etc.)             | 250,304<br>8,761<br>343,516<br>19,209 | 1 1 1 1                            | 7,461                           | 967,992<br>178,352<br>623,458 | 1 1 1                                   | 406,991<br>96,370<br>34,441<br>- 4,986  | 308,817<br>13,941<br>836     | 106,545 | 2,048,110<br>297,564<br>1,002,251<br>14,068 |
| Availability  | 604,268                               | 0                                  | 7,214                           | 1,413,098                     | •                                       | 340,076                                 | 295,712                      | 106,497 | 2,766,865                                   |
| Converted: To electricity To coal derivatives To refined products | 45,062<br>123,096                     | 4 1 4                              | - 594                           | 1,406,332                     | 1 1 1                                   | 34,192                                  | 1 1 1                        | 6,390   | 85,644<br>123,096<br>1,406,925              |
| Direct consumption  | 436,110                               | ı                                  | 6,620                           | 6,766                         | f                                       | 305,883                                 | 295,712                      | 100,107 | 1,151,199                                   |
| B. Secondary energy supply:                                       |                                       |                                    |                                 |                               |   |   |                              |         |   |
| Output  | 1 1 1 1                               | 110,949<br>2,866<br>7,572<br>- 382 | 10,737<br>661<br>1,690<br>- 298 | f 1 1 f                       | 1,237,298<br>5,594<br>155,527<br>68,137 |   | 23,940                       | 1 1 1 1 | 1,382,924<br>9,121<br>164,789<br>67,456     |
| Availability  | 8                                     | 115,273                            | 11,468                          | *                             | 1,455,368                               | ı                                       | 23,940                       | 8       | 1,606,048                                   |
| Transformed:<br>To electricity                                    | 1                                     | 1,542                              | 1                               | t                             | 17,117                                  | ,                                       | •                            | ı       | 18,659                                      |
| Direct consumption  | ,                                     | 113,731                            | 11,468                          | ,                             | 1,438,251                               | 1                                       | 23,940                       | '       | 1,587,390                                   |
| Total direct consumption  | 436,110                               | 113,731                            | 18,088                          | 6,766                         | 1,438,251                               | 305,883                                 | 319,652                      | 100,107 | 2,738,589                                   |
| C. Consumption:   |                                       |                                    |                                 |                               |   | *************************************** |                              |         |   |
| By fuel producers   | 3,806                                 | 1 1                                | 1,054                           | 6,528                         | 113,379                                 | 30,460                                  | 30,514                       | ı       | 185,741                                     |
| Domestic and farm Industrial Other (e.g. Government, loss, etc.)  | 119,802<br>218,676<br>34,973          | 5,414<br>104,224<br>4,093          | 9,330<br>1,523<br>6,181         | 238                           | 366,714<br>184,989<br>96,347            | 78,955<br>62,940<br>133,528             | <b>58,997</b> 194,062 36,079 | 59,470  | 698,682<br>807,051<br>311,439               |
| Totals  | 436,110                               | 113,731                            | 18,088                          | 6,766                         | 1,438,251                               | 305,883                                 | 319,652                      | 100,107 | 2,738,589                                   |



Energy Supply - Demand Balance, Canada 1959 in Thousand Million B.t.u.'s

|   | Coa1  | Coal<br>derivatives                  | Liquefied<br>petroleum<br>gases   | Crude<br>oil                    | Petroleum<br>derivatives                            | Natural<br>gas                               | Electricity                           | Mood    | Total   |
|---|---|--------------------------------------|-----------------------------------|---------------------------------|---|--|---------------------------------------|---------|---|
| A. Primary energy supply:   |   |                                      |                                   |                                 |   |  |                                       |         |   |
| Exports Imports Other (stock change, etc.)  | 226,928<br>11,805<br>350,576<br>27,237          | 1 1 1 1                              | 12,869<br>2,457<br>-<br>- 194     | 1,085,353<br>201,480<br>675,134 | 8 1 3 5   | 477,645<br>89,007<br>12,528                  | 331,100<br>15,671<br>1,747            | 101,834 | 2,235,729<br>320,476<br>1,039,985<br>26,698         |
| Availability  | 592,936   | ŧ                                    | 10,218                            | 1,559,007                       | 1   | 400,822                                      | 317,175                               | 101,778 | 2,981,936   |
| Converted: To electricity   | 40,994<br>145,416                               | T T S                                | 969                               | 1,555,225                       | 1 1 1   | 44,565                                       | 1 1 1                                 | 6,840   | 92,399<br>145,416<br>1,555,922                      |
| Direct consumption  | 406,526   | ŧ                                    | 9,522                             | 3,782                           | 1   | 356,257                                      | 317,175                               | 94,938  | 1,188,199   |
| B. Secondary energy supply:   |   |                                      |                                   |                                 |   |  |                                       |         |   |
| Output Exports Imports Other (stock change, etc.)   | 1 1 1 1   | 130,732<br>2,737<br>9,490<br>- 1,535 | 11,575<br>997<br>457<br>- 633     | 1 1 1 1                         | 1,401,547<br>9,450<br>209,862<br>- 13,403           | 1 1 1 1                                      | 26,036                                | 1 1 1 1 | 1,569,890<br>13,184<br>219,809<br>- 15,571          |
| Availability  | 1   | 135,950                              | 10,402                            | 1                               | 1,588,555   | 1  | 26,036                                | 1       | 1,760,944   |
| Transformed: To electricity   | 1   | 1,705                                | *                                 | ı                               | 19,445  | ŧ  | 8                                     | 8       | 21,150  |
| Direct consumption  | t   | 134,245                              | 10,402                            | 1                               | 1,569,110   | •  | 26,036                                | ŧ       | 1,739,793   |
| Total direct consumption  | 406,526   | 134,245                              | 19,924                            | 3,782                           | 1,569,110   | 356, 257                                     | 343,211                               | 94,938  | 2,927,993   |
| C. Consumption:   |   |                                      |                                   |                                 |   |  |                                       |         |   |
| By fuel producers Transportation Domestic and farm Industrial Other (e.g. Government, loss, etc.) | 2,857<br>35,367<br>109,420<br>204,306<br>54,576 | 3,940<br>127,780<br>2,524            | 1,671<br>10,757<br>1,748<br>5,748 | 3,536                           | 124,279<br>707,429<br>408,855<br>205,540<br>123,007 | 38,738<br>-<br>102,871<br>102,433<br>112,215 | 33,540<br>64,852<br>203,820<br>40,999 | 56,528  | 204,621<br>742,796<br>757,224<br>884,037<br>339,315 |
| Totals  | 406,526   | 134,245                              | 19,924                            | 3,782                           | 1,569,110   | 356,257                                      | 343,211                               | 94,938  | 2,927,993   |



Energy Supply - Demand Balance, Canada 1960 in Thousand Million B.t.u.'s

|   | Coal                                  | Coal<br>derivatives              | Liquefled<br>petroleum<br>gases | Crude                           | Petroleum<br>derivatives                 | Natural                                | Electricity                 | PooM   | Total  |
|---|---------------------------------------|----------------------------------|---------------------------------|---------------------------------|--|--|-----------------------------|--------|--|
| A. Primary energy supply:                             |                                       |                                  |                                 |                                 |  |  |                             |        |  |
| Production Exports Imports Other (stock change, etc.) | 231,760<br>22,183<br>316,639<br>4,107 | 1 1 1 1                          | 13,841<br>3,790<br>-<br>357     | 1,130,556<br>240,081<br>735,804 | 1 1 1 1                                  | 578,577<br>117,422<br>5,939<br>- 6,362 | 361,272<br>18,807<br>1,218  | 96,645 | 2,412,651<br>402,333<br>1,059,600<br>- 1,898 |
| Availability  | 530,323                               |                                  | 10,408                          | 1,626,279                       | 1  | 460,732                                | 343,683                     | 96,595 | 3,068,020                                    |
| Converted:  To electricity                            | 47,098<br>135,912                     | 4 4 1                            | 1,310                           | 25<br>-<br>1,619,825            | 8 9 4                                    | 45,105                                 | 1 1 1                       | 7,740  | 99,968<br>135,91 <b>2</b><br>1,621,135       |
| Direct consumption                                    | 347,313                               | 1                                | 860,6                           | 6,429                           | ł  | 415,627                                | 343,683                     | 88,855 | 1,211,005                                    |
| B. Secondary energy supply:                           |                                       |                                  |                                 |                                 |  |  |                             |        |  |
| Output Exports Imports Other (stock change, etc.)     | 1 1 1 1                               | 123,176<br>2,672<br>7,383<br>293 | 12,873<br>1,888<br>488<br>610   | 1 1 1 1                         | 1,435,172<br>11,233<br>197,319<br>29,575 | 1 1 1                                  | 29,256                      | 1 1 1  | 1,600,477<br>15,793<br>205,190<br>30,478     |
| Availability  | 1                                     | 128,180                          | 12,083                          | ı                               | 1,650,833                                | ı                                      | 29,256                      | 1      | 1,820,352                                    |
| Transformed: To electricity                           | 1                                     | 1,918                            | ŧ                               | I                               | 24,939                                   | 1                                      | ı                           | 1      | 26,857                                       |
| Direct consumption                                    | 1                                     | 126,262                          | 12,083                          |                                 | 1,625,894                                | 1                                      | 29,256                      | ı      | 1,793,495                                    |
| Total direct consumption                              | 347,313                               | 126,262                          | 21,181                          | 6,429                           | 1,625,894                                | 415,627                                | 372,939                     | 88,855 | 3,004,500                                    |
| C. Consumption:                                       |                                       |                                  |                                 |                                 |  |  |                             |        |  |
| By fuel producers                                     | 2,332                                 | 1 1                              | 1,446                           | 6,122                           | 131,840                                  | 43,531                                 | 33,846                      | 1 1    | 219,117                                      |
| Industrial  | 91,850<br>190,203<br>41,499           | 3,082<br>120,049<br>3,131        | 13,242 2,022 4,471              | 307                             | 420,063<br>202,277<br>147,552            | 115,907<br>128,673<br>127,516          | 69,594<br>226,397<br>43,102 | 54,326 | 768,064<br>904,150<br>367,578                |
| Totals  | 347,313                               | 126,262                          | 21,181                          | 6,429                           | 1,625,894                                | 415,627                                | 372,939                     | 88,855 | 3,004,500                                    |
|   |                                       |                                  |                                 |                                 |  |  |                             |        |  |



Energy Supply - Demand Balance, Canada 1961 in Thousand Million B.t.u.'s

| Production   Pro   |  | Coal                                  | Coal<br>derivatives                | Lique fied petroleum gases      | Crude                                      | Petroleum<br>derivatives                | Natural<br>gas                         | Electricity                | PooM   | Total  |
|--|--|---------------------------------------|------------------------------------|---------------------------------|--|---|--|----------------------------|--------|--|
| Production   | A. Primary energy supply:  |                                       |                                    |                                 |  |   |  |                            |        |  |
| Availability         S19,293         -         12,431         1,709,607         -         55,988         345,143         91,606           Converted:         Fo. call derivatives         137,448         -         -         -         48,716         -         7,092           Fo. call derivatives         137,448         -         -         -         -         48,716         -         7,092           Direct consumption         326,930         -         10,328         2,169         -         488,182         345,143         84,574           Secondary energy supply:         -         3,360         116,818         -         1,475,622         -         33,417         -           Seports         -         3,362         -         1,586         -         1,586         -         33,417         -   |  | 222,345<br>24,562<br>312,422<br>9,088 | 1 1 1 1                            | 16,464<br>4,149<br>116          | 1,332,177<br>390,339<br>773,339<br>- 5,570 | 1 1 1 1                                 | 718,327<br>180,737<br>5,865<br>- 6,557 | 354,572<br>14,185<br>4,756 | 91,707 | 2,735,593<br>614,013<br>1,096,382<br>- 2,923 |
| To call derivatives  To call derivatives  To call derivatives  To refined products  To refine | Availability   | 519,293                               | ı                                  | 12,431                          | 1,709,607                                  | ı                                       | 536,898                                | 345,143                    | 91,666 | 3,215,039                                    |
| Direct consumption         326,930         -         10,328         2,169         -         488,182         345,143         84,574           Secondary energy supply:         -         124,040         15,688         -         1,475,622         -         33,417         -           Phyports         -         3,305         -         4,589         -         11,8663         -         33,417         -           Availability         -         -         13,430         -         4,589         -         1,681,154         -         33,417         -           Availability         -         -         131,430         11,384         -         1,681,154         -         33,417         -           Transformed:         Total direct consumption         -         11,994         -         -         27,770         -         -         -           Direct consumption         -         129,436         11,384         -         1,653,384         -         33,417         -           Total direct consumption         -         129,436         21,713         2,169         1,653,384         488,182         378,561         84,574           Transportation         -         -   | To coal derivatives  To refined products                         | 55,215<br>137,148                     | 1 1 1                              | 2,103                           | 1,707,391                                  | 1 1 1                                   | 48,716                                 | ē 1 1                      | 7,092  | 111,070<br>137,148<br>1,709,494              |
| Secondary energy supply:         0.0 tput         1.445.622         -         33,417         -           Deports         -         3,305         -4,569         -         1,435.622         -         33,417         -           Deports         -         7,163         -4,569         -         1,68,633         -   | Direct consumption   | 326,930                               | t                                  | 10,328                          | 2,169                                      | ı                                       | 488,182                                | 345,143                    | 84,574 | 1,257,327                                    |
| Output Exports 13,417 - 124,040 15,688 - 1,475,632 - 33,417 - 34,040 15,688 - 1,475,632 - 1,672 - 33,417 - 1,675 15,672 - 1,67 |  |                                       |                                    |                                 |  |   |  |                            |        |  |
| Transformed: To electricity  | Output   | 1 1 1                                 | 124,040<br>3,305<br>7,163<br>3,532 | 15,688<br>116<br>401<br>- 4,589 | 1 1 1 1                                    | 1,475,652<br>6,762<br>158,683<br>53,581 | ŧ 1 1 1                                | 33,417                     | 1111   | 1,648,797<br>10,183<br>166,247<br>52,524     |
| Transformed: To electricity  | Availability   | 1                                     | 131,430                            | 11,384                          | 1  | 1,681,154                               | ł                                      | 33,417                     | ,      | 1,857,385                                    |
| Direct consumption   | Transformed: To electricity                                      | 4                                     | 1,994                              | ı                               | 1  | 27,770                                  | 1                                      | 1                          | ı      | 29,764                                       |
| Total direct consumption 326,930 129,436 21,713 2,169 1,653,384 488,182 378,561 84,574    Consumption:  By fuel producers  | Direct consumption   | 3                                     | 129,436                            | 11,384                          | å  | 1,653,384                               | 1                                      | 33,417                     | 1      | 1,827,621                                    |
| By fuel producers  | Total direct consumption   | 326,930                               | 129,436                            | 21,713                          | 2,169                                      | 1,653,384                               | 488,182                                | 378,561                    | 84,574 | 3,084,949                                    |
| 1,525       -       1,326       232       128,998       52,877       34,819       -         16,280       2,575       14,065       -       423,408       128,088       74,981       55,004         177,932       122,470       3,876       -       202,486       159,657       219,577       29,570         49,585       4,391       2,446       1,937       154,904       147,560       49,183       -         326,930       129,436       21,713       2,169       1,653,384       488,182       378,561       84,574   |  |                                       |                                    |                                 |  |   |  |                            |        |  |
| 49,585     4,391     2,446     1,937     154,904     147,560     49,183       326,930     129,436     21,713     2,169     1,653,384     488,182     378,561     84,574  | By fuel producers  Transportation  Domestic and farm  Industrial | 1,525<br>16,280<br>81,608             | 2,575                              | 1,326                           | 232  | 128,998<br>743,588<br>423,408           | 52,877                                 | 34,819                     | 55,004 | 219,777 759,869 779,729                      |
| . 326,930 129,436 21,713 2,169 1,653,384 488,182 378,561 84,574  | Other (e.g. Government, loss, etc.)                              | 49,585                                | 4,391                              | 2,446                           |  | 154,904                                 | 147,560                                | 49,183                     |        | 410,006                                      |
|  | Totals   | 326,930                               | 129,436                            | 21,713                          | 2,169                                      | 1,653,384                               | 488,182                                | 378,561                    | 84,574 | 3,084,949                                    |



Energy Supply - Demand Balance, Canada 1962 in Thousand Million B.t.u.'s

|  | Coa1                                   | Coal<br>derivatives                | Liquefied<br>petroleum<br>gases | Crude<br>oil                    | Petroleum<br>derivatives                 | Natural<br>gas              | Electricity                | Wood     | Total                                       |
|--|--|------------------------------------|---------------------------------|---------------------------------|--|-----------------------------|----------------------------|----------|---|
| A. Primary energy supply:  |  |                                    |                                 |                                 |  |                             |                            |          |   |
| Production Exports Imports Other (stock change, etc.)                | 217,709<br>22,728<br>317,033<br>15,886 | 1 1 1 1                            | 21,064<br>5,259<br>264<br>- 339 | 1,518,878<br>499,798<br>785,430 | 1111                                     | 968,947<br>363,381<br>5,806 | 355,021<br>14,032<br>9,481 | 83,235   | 3,164,854<br>905,251<br>1,118,014<br>15,979 |
| Availability   | 527,900                                | 1                                  | 15,730                          | 1,804,734                       | ŧ  | 611,580                     | 350,470                    | 83,182   | 3,393,596                                   |
| Converted:  To electricity  To coal derivatives  To refined products | 88,979<br>140,325                      | 1 1 1                              | 3,337                           | 1,793,881                       | 1 1 1                                    | 52,045                      | 1 1 1                      | 5,976    | 147,062                                     |
| Direct consumption   | 298,596                                | ı                                  | 12,358                          | 10,826                          | ı  | 559,535                     | 350,470                    | 77,206   | 1,308,991                                   |
| B. Secondary energy supply:  |  |                                    |                                 |                                 |  |                             |                            |          |   |
| Output Exports Imports Other (stock change, etc.)                    | 1 1 1                                  | 128,152<br>2,917<br>6,133<br>1,523 | 13,946<br>-<br>80<br>- 2,371    | 1 1 1 1                         | 1,586,916<br>19,011<br>165,913<br>56,595 | 1 1 1 1                     | 45,782                     | 1 9 6 6  | 1,774,796<br>21,928<br>172,126<br>55,747    |
| Availability   | e                                      | 132,891                            | 11,655                          | ı                               | 1,790,413                                | 1                           | ŧ                          | ı        | 1,980,741                                   |
| To electricity   | 8                                      | 1,421                              | ı                               | 8                               | 29,081                                   | 1                           | I (                        | 1        | 30,502                                      |
| Total direct consumption   | 298,596                                | 131,470                            | 24,013                          | 10,826                          | 1,761,332                                | 559,535                     | 396,252                    | 77,206   | 1,950,239                                   |
| C. Consumption:  |  |                                    |                                 |                                 |  |                             |                            |          |   |
| By fuel producers Transportation Domestic and farm                   | 1,066 14,255 69,530                    | 2,208                              | 1,541                           | 5,273                           | 136,788 780,789                          | 77,229                      | 36,919                     | - 51,449 | 258,816<br>795,044<br>814,393               |
| Industrial   | 169,398                                | 127,037                            | 2,535                           | 5,553                           | 229,981<br>164,055                       | 174,852                     | 233,480 55,016             | 25,757   | 953,040                                     |
| Totals   | 298,596                                | 131,470                            | 24,013                          | 10,826                          | 1,761,332                                | 559,535                     | 396,252                    | 77,206   | 3,259,230                                   |



Energy Supply - Demand Balance, Canada 1963 in Thousand Million B.t.u.'s

|   | Coal                                     | Coal                                 | Liquefled petroleum gases         | Crude<br>oil                               | Petroleum<br>derlvatives                  | Natural                                  | Electricity                 | Wood   | Total   |
|---|--|--------------------------------------|-----------------------------------|--|---|--|-----------------------------|--------|---|
| A. Primary energy supply:   |  |                                      |                                   |  |   |  |                             |        |   |
| Production Exports Imports Other (stock change, etc.)             | 227,253<br>26,554<br>381,088<br>- 14,634 | 1 1 1 1                              | 27,452<br>6,116<br>405<br>- 639   | 1,621,272<br>525,923<br>850,979<br>- 2,566 | 1 1 1 1                                   | 1,041,785<br>377,587<br>7,165<br>- 8,901 | 354,573<br>12,327<br>9,841  | 76,840 | 3,349,175<br>948,561<br>1,249,478<br>- 26,740 |
| Availability  | 567,153                                  | ı                                    | 21,102                            | 1,943,762                                  | ,   | 662,462                                  | 352,087                     | 76,786 | 3,623,352                                     |
| Converted: To electricity To coal derivatives To refined products | 128,469                                  | 1 1 1                                | 33 4,881                          | 18<br>-<br>1,927,323                       | 1 1 1                                     | 56,477                                   | 1 1 1                       | 6,491  | 191,488<br>147,658<br>1,932,204               |
| Direct consumption  | 291,026                                  | ı                                    | 16,188                            | 16,421                                     | 1   | 605,985                                  | 352,087                     | 70,295 | 1,352,002                                     |
| B. Secondary energy supply:                                       |  |                                      |                                   |  |   |  |                             |        |   |
| Exports Imports Other (stock change, etc.)                        | 1 + 1 1                                  | 136,207<br>3,153<br>5,818<br>- 1,042 | 33,508<br>1,506<br>54<br>- 20,226 | 1 1 1 1                                    | 1,743,632<br>18,880<br>181,456<br>- 5,292 | 1 1 + 1                                  | 62,504                      | 0 1 1  | 1,975,851<br>23,539<br>187,328<br>- 26,560    |
| Availability  | 1  | 137,830                              | 11,830                            | ŀ  | 1,900,916                                 | ,  | 62,504                      | 1      | 2,113,080                                     |
| Transformed: To electricity                                       | 8  | 1,317                                | ŧ                                 | đ  | 32,620                                    | 1  | ı                           | ı      | 33,937  |
| Direct consumption  | 1  | 136,513                              | 11,830                            | ı  | 1,868,296                                 | ١  | 62,504                      | 1      | 2,079,143                                     |
| Total direct consumption  | 291,026                                  | 136,513                              | 28,018                            | 16,421                                     | 1,868,296                                 | 605,985                                  | 414,591                     | 70,295 | 3,431,145                                     |
| C. Consumption:   |  |                                      |                                   |  |   |  |                             |        |   |
| By fuel producersTransportation                                   | 1,198                                    | 1 1                                  | 1,419                             | 4,948                                      | 144,368                                   | 84,341                                   | 37,843                      | 8      | 274,117                                       |
| Domestic and farm Industrial Other (e.g. Government, loss, etc.)  | 62,246<br>170,262<br>43,840              | 2,385<br>134,940<br>- 812            | 20,601<br>3,418<br>2,580          | 11,473                                     | 207,333<br>477,333<br>216,551<br>207,135  | 153,199<br>193,050<br>175,395            | 86,397<br>226,901<br>63,450 | 48,995 | 836,389<br>851,156<br>966,422<br>503,061      |
| Totals  | 291,026                                  | 136,513                              | 28,018                            | 16,421                                     | 1,868,296                                 | 605,985                                  | 414,591                     | 70,295 | 3,431,145                                     |
|   |  |                                      |                                   |  |   |  |                             |        |   |



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|  | Coa1  | Coal                             | Liquefied<br>petroleum<br>gases    | Grude                                      | Petroleum<br>derivatives                 | Natural<br>gas                           | Electricity                    | Mood   | Total  |
|--|---|----------------------------------|------------------------------------|--|--|--|--------------------------------|--------|--|
| A. Primary energy supply:  |   |                                  |                                    |  |  |  |                                |        |  |
| Production   | 240, 228<br>32, 978<br>382, 609<br>- 1, 359 | 1 1 1                            | 45,406<br>16,967<br>270<br>- 868   | 1,740,458<br>590,268<br>834,679<br>- 1,550 | 1 1 1 1                                  | 1,144,715<br>405,968<br>9,979<br>- 8,991 | 387, 212<br>14, 192<br>10, 649 | 75,476 | 3, 633, 495<br>1, 060, 427<br>1, 238, 188<br>- 12, 769 |
| Availability   | 588,500                                     | ı                                | 27,841                             | 1,983,319                                  | f  | 739, 735                                 | 383,669                        | 75,422 | 3,798,487  |
| Converted: To electricity  | 153, 765                                    | f 1 f                            | 14<br>-<br>9,310                   | 37   | l i i                                    | 54,531                                   | 1 ( 1                          | 7,407  | 215, 755<br>150, 972<br>1, 987, 872                    |
| Direct consumption   | 283, 763                                    | ,                                | 18,517                             | 4,721                                      | ı  | 685, 204                                 | 383,669                        | 68,015 | 1,443,889  |
| B. Secondary energy supply:                                      |   |                                  |                                    |  |  |  |                                |        |  |
| Output Exports Imports Other (stock change, etc.)                | ( ) ( )                                     | 139,551<br>2,215<br>7,831<br>288 | 34,678<br>2,385<br>104<br>- 18,963 | 4 1 4 1                                    | 1,781,356<br>20,461<br>248,283<br>19,351 | 1 1 1 4                                  | 73,363                         | 1 ( )  | 2,028,948<br>25,062<br>256,216<br>679                  |
| Availability   | 1   | 145,455                          | 13,434                             | 1  | 2,028,529                                | 1  | 73,363                         | 1      | 2, 260, 781  |
| Transformed: To electricity                                      | ı   | 2,173                            | t                                  | F  | 43, 228                                  | ,  | ą                              | ı      | 46,401   |
| Direct consumption   | ,   | 143,282                          | 13,434                             | f  | 1,985,301                                | 1  | 73,363                         | ž      | 2, 215, 380  |
| Total direct consumption   | 283, 763                                    | 143, 282                         | 31,951                             | 4,721                                      | 1,985,301                                | 685,204                                  | 457,032                        | 68,015 | 3, 659, 269  |
| C. Consumption:  |   |                                  |                                    |  |  |  |                                |        |  |
| By fuel producers  | 1,227                                       | ę                                | 2,697                              | 3,112                                      | 143, 724                                 | 108,110                                  | 40,499                         | ı      | 288,368  |
| Domestic and farm Industrial Other (e.g. Government, loss, etc.) | 53, 860<br>176, 469<br>38, 366              | 2,008                            | 23,905                             | 1 1 1 0                                    | 870,093<br>500,342<br>242,679            | 169,388                                  | 93,071                         | 48,918 | 883,933<br>891,493<br>1,046,891                        |
| Totals   | 283, 763                                    | 143, 282                         | 31, 951                            | 4, 721                                     | 1,985,301                                | 685, 204                                 | 76, 102                        | 68.015 | 3,659,269  |
|  |   |                                  |                                    |  |  |  |                                |        | 02.600.60  |



Supply and Disposal of Electric Energy - Continued

Manitoba 1968

|  | January                               | February                              | March                                 | April thousand kwh.                   | May  | June                                 | July  |  |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|--------------------------------------|---|--|
| Supply of electric energy  |                                       |                                       |                                       |                                       |  |                                      |   |  |
|  | 634,894<br>41,923<br>676,817<br>5,522 | 582,334<br>55,280<br>637,614<br>5,226 | 473,460<br>91,945<br>565,405<br>5,492 | 468,469<br>37,333<br>505,802<br>5,035 | 490,750<br>31,450<br>522,200<br>5,108        | 466,886<br>9,792<br>476,678<br>4,832 | 487,824<br>4,494<br>492,318<br>5,063          |  |
| Grand total - Hydro (1 + 4)  Total net generation (7 + 8)  | 5,534<br>640,416<br>41,935<br>682,351 | 5,246<br>587,560<br>55,300<br>642,860 | 5,528<br>478,952<br>91,981<br>570,933 | 5,110<br>473,504<br>37,408<br>510,912 | 167<br>5,275<br>495,858<br>31,617<br>527,475 | 4,928<br>471,718<br>9,888<br>481,606 | 19<br>5,082<br>492,887<br>4,513<br>497,400    |  |
| Received from other provinces and imported: Received from United States  | 59,002                                | 55,178                                | 57,567                                | 53,730                                | 52,828                                       | 52,638                               | 900 * 89                                      |  |
| Total supply of energy (9 + 12)  | 59,002                                | 55,178                                | 57,567                                | 564,642                               | 52,828<br>580,303                            | 52,638                               | 63,006<br>560,406                             |  |
| Disposal of electric energy  |                                       |                                       |                                       |                                       |  |                                      |   |  |
| Energy delivered to other provinces and exported: Delivered to other provinces - Firm  Exported to United States - Firm  Secondary | 12,966                                | 20,736                                | 1,723                                 | 1,129                                 | 6,182  | 785                                  | 811<br>24,379                                 |  |
| 101al delivered to other provinces and exported (14 + 15 + 16 + 17 )   | 28,924                                | 36,692                                | 18,597                                | 13,059                                | 22,603                                       | 11,866                               | 25,190  |  |
| Energy used in own plant - Firm  | 59,385<br>12,568<br>71,953            | 56,772<br>17,945<br>74,717            | 58,806<br>12<br>58,818                | 54,793                                | 54,811                                       | 54,119<br>54,119<br>54,131<br>54,131 | 55,740<br>55,740<br>12<br>55,752              |  |
| Power - Firm   | 217,889                               | 211,556                               | 221,092                               | 225,074                               | 227,826                                      | 214,894                              | 226,978                                       |  |
|  | 98,615<br>202,821<br>48,761<br>8,626  | 94,536<br>184,267<br>50,313<br>7,153  | 88,063<br>165,152<br>47,868<br>6,718  | 78,911<br>142,164<br>42,472<br>5,619  | 70,790<br>124,864<br>33,259<br>4,716         | 67,889<br>115,614<br>31,020          | 4,093<br>67,993<br>114,179<br>33,074<br>4,723 |  |
| Total sales to ultimate customers (23 + 24 + 25 + 26 + 27 + 28)  Unallocated energy(2)  Distribution by non-respondents            | 582,348                               | 551,557                               | 529,003                               | 495,884                               | 466,109                                      | 438,264                              | 451,042                                       |  |
| Total disposal of energy (18 + 22 + 29 + 31)   | 741,353                               | 698,038                               | 628,500                               | 564,642                               | 580,303                                      | 534.244                              | 560,406                                       |  |



Supply and Disposal of Electric Energy - Continued

Manitoba 1968 - Concluded

| 1967      |               |                           | 6,423,478<br>53,181<br>6,476,659  | 58,316<br>114          | 58,430 6,481,794 | 53,295<br>6,535,089          | 629,035   | 629,035<br>7,164,124               |  | 48,739      | 1 1 | 056.252 | 6,729,174 | 620,866<br>87,615                           | 708,481 | 2,427,973 | 62,783<br>851,022            | 1,640,125 | 417,727         | 0000          | 547,135                 | 7,164,124   |                          |
|-----------|---------------|---------------------------|-----------------------------------|------------------------|------------------|------------------------------|---|------------------------------------|--|-------------|-----|---------|-----------|---|---------|-----------|------------------------------|-----------|-----------------|---------------|-------------------------|---|--------------------------|
| 1968      |               |                           | 6,404,704<br>298,597<br>6,703,301 | 63,231                 | 6,467,935        | 299,342                      | 754,785   | 7,522,062                          |  | 49,473      | 2   | 250.943 | 7,271,119 | 686,811                                     | 748,516 | 2,685,605 | 40,822                       | 1,722,156 | 77,833          | 5 020 602     | 592,911                 | 7,522,062   |                          |
| December  |               |                           | 667,489<br>11,168<br>678,657      | 5,324                  | 5,591 672,813    | 11,435                       | 74,275  | 74,275                             | The second secon | 1,202       |     | 8,187   | 750,336   | 11,454                                      | /2,18/  | 236,842   | 94,885                       | 162,008   | 8,935           | 54 - 841      | 130,308                 | 758,523   |                          |
| November  | thousand kwh. |                           | 583,100<br>11,331<br>594,431      | 26                     | 588,573          | 599,930                      | 67,011  | 67,011                             |  | 1,053 8,846 | H ( | 006*6   | 657,041   | 13,522                                      | /1,080  | 238,118   | 84,775                       | 150,177   | 8,316           | 516.900       | 68,461                  | 666,941   |                          |
| October   |               |                           | 559,333<br>149<br>559,482         | 0/000                  | 564,909          | 565,065                      | 667,79  | 67,499                             |  | <br>1,003   | 1 1 | 20,851  | 611,713   | 4,877                                       | 676,40  | 220,585   | 73,769                       | 125,135   | 7,444           | 457,435       | 89,349                  | 632,564   |                          |
| September |               |                           | 490,983<br>2,154<br>493,137       | 11 1                   | 496,143          | 498,308                      | 81,884  | 81,884                             |  | <br>1,067   | 1 1 | 23,169  | 557,023   | 1,216                                       | 10,00   | 226,702   | 71,364                       | 120,453   | 6,232           | 456,187       | 44,355                  | 580,192   |                          |
| August    |               |                           | 499,182<br>1,578<br>500,760       | 007                    | 504,602          | 506,189                      | 70,167  | 70,167                             |  | 31,089      | 1 1 | 31,905  | 544,451   | 63  | 0 0     | 218,049   | 69,072                       | 115,322   | 5,349           | 437.122       | 680 647                 | 576,356   |                          |
| No.       |               | Supply of electric energy |                                   | Thermal Totals (4 + 5) |                  | Total net generation (7 + 8) | Neceived from other provinces imported from United States | 13 Total supply of energy (9 + 12) | Disposal of electric energy  | <br>: :     |     |         | Ener      | Secondary Total used in own plant (20 + 21) | Sale    | _         | General service (commercial) |           | Street lighting | 26 + 27 + 28) | 30 Unallected energy(2) | Total disposal of energy (18 + 22 + 29 + 30 + 31) | See footnotes on page 4. |



Supply and Disposal of Electric Energy - Continued

Saskatchewan 1968

| July     |                           | 147,811<br>189,042<br>336,853<br>6,507<br>10,969<br>17,476<br>154,318<br>200,011<br>354,329   | 24,780<br>-<br>24,780<br>379,109   |                             | 53,058  | 53,754<br>325,355<br>15,675<br>170<br>15,845   | .40,147<br>-<br>29,666<br>54,904<br>32,729<br>1,605  | 259,051<br>46,683<br>3,776<br>379,109  |
|----------|---------------------------|---|--|-----------------------------|---|--|--|--|
| Ju       |                           |   |  |                             | Q m   | en e   |  | Z ()   |
| June     |                           | 113, 761<br>224, 911<br>224, 911<br>338,672<br>6,846<br>10,280<br>17,126<br>120,607<br>235, 191<br>355, 798   | 10,570<br>-<br>10,570<br>366,368   |                             | 51,542<br>463   | 52,005<br>314,363<br>15,344<br>15,445<br>15,435  | 148,000<br>-<br>27,796<br>56,982<br>35,504<br>1,539  | 269,821<br>25,759<br>3,348<br>366,368  |
| May      |                           | 99,394<br>255,771<br>350,165<br>7,213<br>10,685<br>17,898<br>106,607<br>261,456<br>368,063  | 17,328<br>-<br>17,328<br>385,391   |                             | 52,050  | 52,378<br>333,013<br>16,917<br>17,096  | 147,296<br>28,908<br>63,821<br>44,760<br>1,908   | 286,693<br>25,612<br>3,612<br>385,391  |
| April    | thousand kwh.             | 137,486<br>.226,293<br>363,779<br>7,010<br>10,354<br>17,464<br>144,496<br>.236,647<br>381,143   | 1,709<br>1,709<br>382,852  |                             | 52,804  | 53,371<br>329,481<br>10,531<br>223<br>10,754   | 132,047<br>29,533<br>69,508<br>47,217<br>2,586   | 280,891<br>34,388<br>3,448<br>382,852  |
| March    |                           | 119,088<br>280,089<br>399,177<br>7,255<br>10,339<br>17,794<br>126,343<br>290,628<br>416,971   | 2,812<br>-<br>2,812<br>419,783   |                             | 56,612  | 57,347<br>362,436<br>21,976<br>22,242  | 28,485<br>76,436<br>51,340<br>3,227  | 304,581<br>31,648<br>3,989<br>419,783  |
| February |                           | 94,685<br>306,710<br>401,395<br>6,830<br>8,548<br>15,378<br>101,515<br>315,258<br>416,773   | 20,899<br>-<br>20,899<br>437,672   |                             | 54,838  | 55,007<br>382,665<br>16,481<br>204<br>16,685   | 147,536<br>38,525<br>103,628<br>50,153   | 343,399<br>18,195<br>4,385<br>437,672  |
| January  |                           | 152,062<br>306,526<br>458,588<br>7,339<br>9,542<br>16,581<br>159,401<br>315,768<br>475,169  | 13,822   |                             | 58,323  | 58,793<br>430,198<br>15,604<br>368<br>15,972   | 143,562<br>36,986<br>110,636<br>40,588<br>4,127  | 335,899<br>73,469<br>4,858<br>486,591  |
|          | Supply of electric energy | Net generation: Utilities - Hydro Thermal Totals (1 + 2) Industry - Hydro Thermal Totals (4 + 5) Grand total - Hydro (1 + 4) Thermal (2 + 5) Total net generation (7 + 8) Energy received from other provinces and imported | Received from other provinces Imported from United States Total received from other provinces and imported (10 + 11) Total supply of energy (9 + 12) | Disposal of electric energy | Energy delivered to other provinces and exported: Delivered to other provinces - Firm | (14 + 15 + 16 + 17)  Total made available for use in Canada (13 - 18)  Energy used in own plant - Firm  Secondary  Total used in own plant (20 + 21)  Sales to ultimate customers: | Power - Firm Secondary Ceneral service (commercial) Domestic Farm(1) Street lighting Total sales to ultimate customers (23 + 24 + 25 + | Unallocated energy(2) Distribution by non-respondent Total discossi of energy (18 * 22 * 29 + 30 + 31)  footnotes on name 4. |
| No.      |                           |   | 11 12 13   |                             | 14<br>15<br>16<br>17<br>18  | 19<br>20<br>21<br>22   | 23<br>25<br>26<br>27<br>28<br>29   | 30<br>31<br>32<br>See f  |



Supply and Disposal of Electric Energy - Continued Saskatchewan 1968 - Concluded

| Supply of electric energy                          |           | achremner. | CCCODEL  | TO CHICAGO    |          |                    |   |
|--|-----------|------------|--|---------------|----------|--------------------|---|
| Supply of electric energy                          |           |            |  | to compare    | December | 1908               | 1967                                    |
| Supply of electric energy                          |           |            |  | thousand kwh. |          |                    |   |
|  |           |            |  |               |          |                    |   |
| Net generation:                                    |           |            |  |               |          |                    |   |
| ydro   | 143,952   | 120,439    | 150,484  | 175,869       | 214,644  | 1,669,675          | 1,653,373                               |
| Totals (1 + 2)                                     | 352,403   | 359,846    | 385,622  | 407,009       | 488, 788 | 2,972,622          | 2,480,853                               |
|  | 10,017    | 900 9      | 6,794  | 6,777         | 96,9     | 85,558             | 83,321                                  |
|  | 8,648     | 11,370     | 10,794   | 10,479        | 10,604   | 122,512            | 123,024                                 |
| Hvdro (1 + 4)                                      | 153 969   | 126 445    | 157 278  | 187 676       | 17,568   | 208,070            | 206,345                                 |
| Thermal (2 + 5)                                    | 217,099   | 250,777    | 245,932  | 241,619       | 284,748  | 3.095.134          | 1,/36,694                               |
| :  | 371,068   | 377,222    | 403,210  | 424,265       | 506,356  | 4,850,367          | 4,340,571                               |
| Energy received from other provinces and imported: | 277 10    | 0          | 6  |               |          |                    |   |
| Accelved from United States                        | 31,440    | 145,541    | 20,338   | 9,704         | 7,860    | 184,609            | 220,390                                 |
| Total received from other provinces and imported   | manage v  |            |  |               | î        | 8                  | r                                       |
| (10 + 11)  | 31,446    | 23,341     | 20,338   | 9,704         | 7,860    | 184,609            | 220,390                                 |
| energy (9 + 12)                                    | 402,514   | 400,563    | 423,548  | 433,969       | 514,216  | 5,034,976          | 4,560,961                               |
|  |           |            | and the second s |               |          |                    |   |
|  | W 4.11.   | -          | andrier a  |               |          |                    |   |
| Disposal of electric energy                        | · Sarrian | W-00- W /  |  |               |          |                    |   |
|  |           |            |  |               |          |                    |   |
| Energy delivered to other provinces and exported:  |           |            |  | · Farekan     |          | Seen a righ regard |   |
| Delivered to other provinces - Firm                | 54,418    | 51,903     | 56,347   | 55,352        | 57,726   | 654,973            | 611,124                                 |
| Exported to United States - Firm                   | 174       | 484        | 576  | 620           | 542      | 6,071              | 3,301                                   |
| Secondary  |           | 1 9        | 1  | 1 1           | å I      |                    |   |
|  |           |            |  |               |          | ,                  | •                                       |
| (14 + 15 + 16 + 17)                                | 54,839    | 52,387     | 56,923   | 55,972        | 58,268   | 661,044            | 614,425                                 |
| Total made available for use in Canada (13 - 18)   | 347,675   | 348,176    | 366,625  | 377,997       | 455,948  | 4,373,932          | 3,946,536                               |
| mergy used in own plant - firm                     | 16,352    | 15,664     | 16,335   | 16,197        | 16,516   | 193,592            | 184,399                                 |
| Total used in own plant (20 ± 21)                  | 16 570    | 15 700     | 97 26  | 9 00 0 0      | F 7      | 1,845              | 9,082                                   |
| Sales to ultimate customers:                       | 0.0       | 173/07     | TOC OT   | 10,203        | 070'07   | 195,437            | 193,481                                 |
| Power - Firm                                       | 145,799   | 155,424    | 146,697  | 152,761       | 141.168  | 1.745.530          | 1 506 154                               |
| Secondary  |           | ı          | •  |               | 1        | 1                  | 1 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| ice (commercial)                                   | 29,234    | 30,059     | 29,335   | 32,343        | 34,218   | 375,088            | 346,065                                 |
| DOMESTIC   | 56,404    | 60,285     | 65,773   | 77,453        | 83,100   | 878,930            | 808,905                                 |
| Street lighting                                    | 2 203     | 20,442     | 41,214   | 40,/07        | 37,598   | 481,496            | 457,386                                 |
| Total sales to ultimate customers (23 + 24 + 25 +  | 007 67    | 7,700      | 0,440  | 101,4         | 4, 200   | 35, 259            | 33,165                                  |
| 26 + 27 + 28)                                      | 260,889   | 274,800    | 286,515  | 313,420       | 300,344  | 3,516,303          | 3.151 675                               |
| nergy(2)   | 66,624    | 53,648     | 59, 299  | 44,078        | 133,913  | 613,316            | 555,994                                 |
| Distribution by non-respondents                    | 3,592     | 3,946      | 4,450  | 4,296         | 5,175    | 48,876             | 45,386                                  |
| T of energy (18 + 22 + 29 + 30 + 31)               | 402,514   | 400,563    | 423,548  | 433,969       | 514,216  | 5,034,976          | 4,560,961                               |



Supply and Disposal of Electric Energy - Continued

Alberta 1968

|   | January                                | February                               | March                                 | April                                     | May                          | June                                  | July                                  |
|---|--|--|---------------------------------------|---|------------------------------|---------------------------------------|---------------------------------------|
|   |  |  |                                       | thousand kwh.                             |                              |                                       |                                       |
| Supply of electric energy   |  |  |                                       |   |                              |                                       |                                       |
| Net generation: Utilities - Hydro Thermal Totals (1 + 2) Industry - Hydro   | 151,008<br>517,096<br>668,104          | 116,068<br>477,684<br>593,752          | 68,366<br>505,787<br>574,153          | 33,955<br>. 499,014<br>532,969            | 36,635<br>496,324<br>532,959 | 82,670<br>427,674<br>510,344          | 71,821<br>454,845<br>526,666          |
| Grand total - Hydro (1 + 4)  Total net generation (7 + 8)   | 39,634<br>39,634<br>151,008<br>556,730 | 48,309<br>48,309<br>116,068<br>525,908 | 47,766<br>47,766<br>68,366<br>553,553 | 44, 239<br>44, 239<br>33, 955<br>543, 253 | 44,807                       | 46,657<br>46,657<br>82,670<br>474,331 | 46,051<br>46,051<br>71,821<br>500,896 |
|   | 672                                    | 810                                    | 2,186                                 | 2,471                                     | 4,317                        | 3,383                                 | 572,717<br>2,959<br>72                |
| Total supply of energy (9 + 12)   | 708,517                                | 898<br>642,959                         | 2,260<br>624,179                      | 2,541                                     | 4,392                        | 3,453                                 | 3,031                                 |
| Disposal of electric energy   |  |  |                                       |   |                              |                                       |                                       |
| Energy delivered to other provinces and exported:  Delivered to other provinces - Firm                                | 4,535                                  | 2,704                                  | 791                                   | 423                                       | 520                          | 577                                   | 1,301                                 |
| Exported to United States - Firm  | 1 1                                    | 0 1                                    | 1 1                                   | 8 8                                       | 1 1                          | 1 1                                   | 1 6 6                                 |
| (14 + 15 + 16 + 17)  Total made available for use in Canada (13 - 18)  Energy used in own plant - Firm                | 4,535<br>703,982<br>50,374             | 2,704 640,255 58.879                   | 623,388<br>58,681                     | 423<br>579,326<br>55,252                  | 581,638                      | 559,877                               | 1,301                                 |
|   | 50,374                                 | 58,879                                 | 58,681                                | 55,252                                    | 55,893                       | 57,389                                | 56,971                                |
| Power - Firm Secondary  | 220,913                                | 183,132                                | 190,022                               | 201,502                                   | 195,674                      | 196,223                               | 209,080                               |
| General service (commercial) Domestic Farm(L) Street lighting   | 116,277 154,458 40,339                 | 130,099<br>151,228<br>43,826           | 105,818<br>122,419<br>38,640          | 119,064<br>124,189<br>54,419              | 103,756 102,059 42,239       | 103,511<br>97,728<br>35,361           | 103,467<br>94,464<br>46,577           |
| Total sales to ultimate customers (23 + 24 + 25 + 26 + 27 + 28) Unallocated energy(2) Distribution by non-respondents | 544,713                                | 519,316                                | 467,217                               | 507,905                                   | 451,385                      | 6,663<br>439,486<br>54,813            | 7,184 460,772 48,341                  |
| spos  | 708,517                                | 642,959                                | 624,179                               | 579,749                                   | 582,158                      | 560,454                               | 8,363                                 |
| footnotes on page 4   |  |  |                                       |   |                              |                                       |                                       |

1 2 3 4 4 7 7 7 7 10 10 11 11 12

See footnotes on page 4.



Supply and Disposal of Electric Energy - Continued

Alberta 1968 - Concluded



Supply and Disposal of Electric Energy - Continued

British Columbia 1968

| kwh.  1,295 176,630 1,483 1,155 194,113 196,413 196,496 126,500 126,500 126,500 126,500 126,500 126,500 126,500 126,200 126,200 126,300 126,301 1,505,626 1,006,381 1,006,381 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,433 1,002,606 1,0018 1,002,433 1,002 | N.C. |   | January                                | February      | March                          | April   | May               | June                                    | ;  |
|--|------|---|--|---------------|--------------------------------|---|-------------------|---|--|
| Properties   Pro   | MO   |   |  |               |                                | 4   |                   |   | Sary   |
| Net   Supply of electric energy   Supply of electric ene   |      |   |  |               |                                | thousand kwh.   |                   |   |  |
| The parametrion   The parame   |      | Supply of electric energy                         |  |               |                                |   |                   |   | ,  |
| TELLI (I Thermal 2   |      | Net generation:                                   |  |               |                                |   |                   |   |  |
| Totals (4.7)   Totals (4.7)   10,00,000   10,0   | 7    |   | 800,972                                | 794,540       | 873,556                        | 773,295   | 776,630           | 909°069                                 | 711.441  |
| Comparison   Com   | 2    | Totals (1 + 2)                                    | 1,094,404                              | 1,011,544     | 1,062,536                      | 186,860   | 217,483           | 254,626                                 | 210,134  |
| Control   Principal   Control   Principal   Control      | 2    |   | 827,633                                | 779,012       | 736,410                        | 793,976   | 788,996           | 776,006                                 | 803,451  |
| The first of the   | 9    |   | 930,025                                | 109,236       | 122,122                        | 118,297   | 126,500           | 120,088                                 | 116,828  |
| Design   Continue      | - α  |   | 1,628,605                              | 1,573,552     | 1,609,966                      | 1.567.271   | 1.565.626         | 896,094                                 | 920,279  |
| Pareign effects from charter provinces and imported;   4,147   1,1572   105,002   167,077   111,464   1,909,609   1,841,326   1,944,247   1,941,494   1,944,494    | 00   |   | 395,824                                | 326,240       | 311,102                        | 305,157   | 343,983           | 374,714                                 | 326,962  |
| Part      | 10   |   | 1                                      | 1,000,100     | 1,721,000                      | 1,8/2,428   | 1,909,609         | 1,841,326                               | 1,841,854  |
| Total cupply of energy (9 + 12)  Total cupply of energy (13 - 15)  Total cupply of energy (14 - 15)  Total cupply of energy (15 - 15)  Total cupply  | 2 1  |   | 4,147                                  | 2,703         | 427                            | 402   | 170               | 576                                     | 1.026  |
| Total supply of emergy (9 + 12)  | 12   |   | 113,572                                | 105,002       | 167,077                        | 111,404   | 106,211           | 103,273                                 | 112,789  |
| Disposal of electric energy (9 + 12)   2,142,144   2,007,497   2,088,572   1,984,224   2,015,990   1,945,175   1,984,125   2,015,990   1,945,175   1,984,125   2,015,990   1,945,175   1,984,125   2,015,990   1,945,175   1,944,175   1   | C    |   | 117,719                                | 107,705       | 167,504                        | 806   | 106 381           | 070 601                                 | 200  |
| Disposal of electric energy    | 3    |   | 2,142,148                              | 2,007,497     | 2,088,572                      | 1,984,234   | 2,015,990         | 1,945,175                               | 1,955,669  |
| Delivated to other provinces and exported:   Secondary   Seco   |      |   | The transmission of the second         |               |                                | elleng plateria zinah   | 49,67, 294        | maa aa |  |
| Experted to other provinces and exported:    Delivered to other provinces and exported:  |      | Disposal of electric energy                       | enev. Trigo veta il veti diccioni pro- |               | Make and all the second second | The second se |                   | The ship cost antimocate who as         |  |
| Exported to Other Provinces Firm 672 810 2,186 2,471 4,737 6,645 57,711 4,757 292 334 269 34 26,572  | è    | 8   |  | and the Total | A, Adiros, Sales,              | ordinis S. Imago  | St. McCard Comp   | ma-it-milegres (                        |  |
| Exported to United States - Pirm.  Secondary  Total delivered to other provinces and exported  (14 + 15 + 16 + 17)  Total delivered to other provinces and exported  (14 + 15 + 16 + 17)  Total made evailable for use in Canada (13 - 18)  Total used in own plant (20 + 21)  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total dishosal of emergy (18 + 22 + 29 + 30 + 31)   | 17   | Delivered to other provinces . Firm               | 672                                    | 810           | 2,186                          | 2,471   | 4,317             | 3,383                                   | 2.959  |
| Total delivered to other provinces and exported  (14 + 15 + 16 + 17)  Total delivered to other provinces and exported  (14 + 15 + 16 + 17)  Total used in own plant (20 + 21)  Total used in own plant (20 + 21)  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total used in own plant (20 + 21)  Street  Total delivered to other provinces and experience  | 91   | Exported to United States - Firm                  | 075                                    | 016           | - 000                          | 1 60  | 0 0               | \$ c                                    | 1  |
| Total made available for use in Canada (13 - 18)   | - 00 | Total delivered to other provinces and experted   | 46,645                                 | 57,711        | 47,558                         | 61,542  | 28,974            | 26,572                                  | 36,969   |
| Total made available for use in Canada [13 - 18)  Total made available for use in Canada [13 - 18)  Emergy used in own plant (20 + 21)  Total used in own plant (20 + 21)  Total used in own plant (20 + 21)  Total used in own plant (20 + 21)  Street  Street  Street  Total disposal of emergy (18 + 22 + 29 + 30 + 31)   |      | (14 + 15 + 16 + 17)                               | 127 757                                | 50 00         | 000                            |   | 1                 | PRo Feb de                              |  |
| Total used in own plant (20 + 21)  Street  Street  Total used in own plant (20 + 21)  Total disposal of energy (18 + 22 + 29 + 30 + 31)  Total disposal of energy (18 + 22 + 29 + 30 + 31)   | 0. 3 | Total made available for use in Canada (13 - 18)  | 2,094,391                              | 10°00         | 2,038,536                      | 1.919.887   | 33,560            | 30,200                                  | 40,332   |
| Total used in own plant (20 + 21)  | 3 3  |   | 993,913                                | 949,793       | .,013,342                      | 972,096   | 1,032,433         | 991,313                                 | 1.015.671  |
| 417,402 (887,416 (18.69) (18.6 | · .  | Total used in own plant (20 + 21)                 | 993,913                                |               | 1 013 5/20                     | 200 620   | 1 2 2             | 1                                       |  |
| 417,402  | -    |   |  |               | 1                              | 2/2,030   |                   | 991,313                                 | 1,015,671  |
| 417,402<br>417,402<br>417,402<br>887,416<br>13 15,157<br>886,680<br>14 18 69<br>15 16,818  |      |   | . 4                                    | 5             | 346,494                        | 343,776   | 6)<br>6<br>7<br>9 | 284,962                                 | 335,141  |
| 417,402<br>887,416<br>9 + 30 + 31)   |      | 0.8481  | 3                                      | 27            |                                | 1,666   | 04.               | ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~   | Lil seen   |
| 887.416 F. 836,680 F. 10,164 F. 10,164 F. 10,164 F. 10,8818  |      |   | 417,402                                | Tree, Mr.     | thio a                         | 315,157   | 290.044           |   | 3475, 45   |
| 887,416 1. 836,680<br>17 70,164<br>9 + 30 + 31)  | 19   |   |  |               |                                |   | Post Land         |   |  |
| 887,416 17 836,680<br>17 70,164<br>9 + 30 + 31)  |      |   | Towns of the last                      | 100,000       |                                |   | 2.                |   |  |
| 9 + 30 + 31)   |      |   | ALC: UII                               | 10.48         |                                | 887,416   | ,<br>Ts           | 836,680                                 | 24 may 6   |
|  |      | Distribution by non-respondence                   | SPLANC.                                | DO SHE        | Mhaine Lan.                    | 000   | to In             | 70,164                                  | N. Contract of the Contract of |
|  |      | Local disposal of energy (18 + 22 + 29 + 30 + 31) |  | Aleksan T     |                                |   | Grandinale,       | E C                                     |  |



Supply and Disposal of Electric Energy - Continued

British Columbia 1968 - Concluded

| No.  |  | August   | September   | October  | November   | December  | 1968  | 1961  |
|--|--|--|---|--|--|---|---|---|
| 1  |  |  |   |  | thousand kwh.  |   |   |   |
|  | Supply of electric energy  |  | -amin'ny departemantan'i avo  |  | and the second s |   |   |   |
| 10 9 9 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Utilities - Hydro  Utilities - Hydro  Thermal  Totals (1 + 2)  Industry - Hydro  Thermal  Totals (4 + 5)  Crand total - Hydro (1 + 4)  Thermal (2 + 5)  Total net generation (7 + 8)  Energy - From other provinces and imported  Total supply of energy (9 + 12)  Disposal of electric energy | 562,571<br>361,835<br>924,406<br>924,406<br>95,577<br>1,322,577<br>1,779,981<br>111,755<br>111,755 | 674,988<br>227,102<br>202,090<br>788,490<br>92,919<br>1,463,478<br>1,463,478<br>1,263,478<br>105,666<br>105,922<br>1,88,429 | 814,789<br>249,333<br>1,064,122<br>891,014<br>11,006,373<br>1,705,803<br>3,64,692<br>2,070,495<br>2,070,495<br>107,934<br>110,070<br>2,180,565 | 982,493<br>140,691<br>1,122,584<br>828,096<br>115,127<br>944,323<br>1,810,589<br>256,318<br>2,066,907<br>1,7998<br>130,549   | 1, 648, 060<br>156, 182<br>1, 204, 242<br>866, 953<br>118, 518<br>918, 471<br>1, 915, 913<br>274, 700<br>2, 189, 713<br>5, 233<br>231, 498<br>2, 416, 444 | 9,503,941<br>2,703,062<br>12,207,003<br>9,640,043<br>1,357,055<br>10,997,056<br>19,143,984<br>4,060,117<br>23,204,101<br>1,494,179<br>1,516,191<br>24,720,292 | 8,435,783<br>2,669,787<br>11,105,570<br>8,935,447<br>1,151,594<br>10,087,041<br>17,371,230<br>3,821,381<br>21,192,611<br>14,837<br>1,617,167<br>1,652,00&<br>22,824,615 |
|  | Energy delivered to other provinces and exported;  |  |   |  |  |   |   |   |
| 15 17                                      | Delivered to other provinces - Firm Secondary  Exported to United States - Firm  | 382  | 33,102  | 1,088  | 1,596  | 613   | 24,528<br>4,219<br>698,748  | 28,667<br>3,412<br>600,661  |
| 119 20 20                                  |  | 36,576   | 36,498<br>1,855,923<br>946,655  | 87,461<br>2,093,104<br>1,037,007   | 85,328<br>2,112,128<br>1,005,024   | 156,569<br>2,259,875<br>1,029,799   | 727,495<br>23,992,797<br>11,919,404   | 632,740<br>22,191,875<br>11,229,061   |
|  | Total used in own plant (20 + 21) Sales to ultimate customents   | 55.  | 946,655   | 1,037,007  | 1,005,024  | 1,029,799   | 11,919,404  | 11,229,061  |
| 23<br>24<br>25<br>26                       | Power - Firm Secondary General service (commercial)  | 376,345<br>1,641<br>189,481<br>229,362   | 321,663<br>1,528<br>197,578<br>255,170  | 361,968<br>1,957<br>214,932<br>287,236   | 372,339<br>1,662<br>239,070<br>338,038   | 359,020<br>1,920<br>237,850<br>379,918  | 4,232,535<br>19,847<br>2,552,227<br>3.677,713   | 3,763,777<br>17,620<br>2,424,591<br>3,321,916   |
|  | Farm(1) Stree lighting Toral asles to ultimate customers (73 ± 27 ± 25 ±   | 5,196  | 9,478   | 11,147   | 12,520   | 14,041  | 117,484   | 111,123   |
| 30 33                                      |  | 805,025<br>100,245<br>20,117<br>1,834,121  | 754,517<br>105,372<br>19,479<br>1,892,421   | 877,240<br>154,109<br>24,748<br>2,180,565  | 963,629<br>115,874<br>27,601<br>2,197,456  | 99 <b>2</b> ,7 <b>49</b><br>204,1 <b>64</b><br>33,163<br>2,415,444  | 10,599,806<br>1,196,778<br>276,809<br>24,720,292  | 9,639,027<br>1.075,186<br>248,601<br>22,824,615   |



Supply and Disposal of Electric Energy - Continued

Yukon 1968

| No.  |   | January | February | March   | April         | May       | June   | July         |
|------|---|---------|----------|---------|---------------|-----------|--------|--------------|
|      |   | _       |          |         | thousand kwh. |           |        |              |
|      | Supply of electric energy                         |         |          |         |               |           |        |              |
| 4-   | Net generation:                                   | ,       |          |         |               |           |        |              |
| 7 7  | Utilities - Rydro                                 | 10,658  | 9,487    | 9,584   | 11,429        | 8,557     | 7,080  | 6,830        |
| e 4  | Totals (1 + 2) Industry - Hydro                   | 11,776  | 10,455   | 10,422  | 12,361        | 9,434     | 8,020  | 7,782        |
| 50 4 | Thermal   |         | 1 1      | l P     | 1 1           | 1 1       |        | , ,          |
| 0 1  | Grand total - Hydro (1 + 4)                       | 10.658  | 9.487    | 784 0   | 11 / 20       | 9 11 11 0 | F 6    | 1 6          |
| ထဝ   | Thermal (2 + 5)                                   | 1,118   | 9968     | 838     | 932           | 877       | 0,080, | 6,830<br>952 |
| h    | Interpretation (/ + 8)                            | 11,776  | 10,455   | 10,422  | 12,361        | 9,434     | 8,020  | 7,782        |
| 2 :  | Received from other provinces                     | 1       | ,        | ,       | ,             | 1         | 1      | ¢            |
| 12   | Imported from United States                       | 1       | ,        | ,       | ,             | •         | ě      | 1            |
| 13   | (10 + 11) Total supply of energy (9 + 12)         | 11.776  | 10.455   | 10 722  | 10 261        | • 6       | 1 (    |              |
|      |   | 0       | 0000     | 775.601 | 105,21        | 9,434     | 8,020  | 7,782        |
|      |   |         |          |         |               |           |        |              |
|      |   |         |          |         |               |           |        |              |
|      | Disposal of electric energy                       |         |          |         |               |           |        |              |
| ;    | Energy delivered to other provinces and exported: |         |          |         |               |           |        |              |
| ‡ 73 |   | ,       |          | ,       | ř             | *         | ,      | ,            |
| 16   | Exported to United States - Firm                  | 1 1     | 1 1      | 8 8     | # 1           | 8 1       | ,      | ٠            |
| 18   | Total delivered to other provinces and exported   | 8       | f        | ,       |               | 1         | 1 1    | , ,          |
| ,    | (14 + 15 + 16 + 17)                               | 1       | 1        | ,       | 1             | •         |        |              |
| 20 2 | Total made available for use in Canada (13 - 18)  | 11,776  | 10,455   | 10,422  | 12,361        | 9,434     | 8,020  | 7,782        |
| 21   | Secondary   | 148     | 148      | 122     | 80            | 70        | 980    | 62           |
| 77   | Total used in own plant (20 + 21)                 | 270     | 204      | 196     | 158           | 127       | 135    | 77<br>84     |
| 23   | Power - Firm                                      | 5,407   | 4,910    | 4,187   | 4,001         | 4,201     | 3.151  | 3            |
| 25   | General service (commercial)                      | 2,407   | 2,261    | 2,552   | 2,499         | 2,471     | 1,703  | 1,568        |
| 26   | Domestic  | 2,186   | 1,730    | 1,575   | 1,250         | 1,408     | 1,443  | 1,353        |
| 28   | Street lighting                                   | 51      | 52       | - 15    | . 17          | 0 %       | 6 1    |              |
| 29   | Total sales to ultimate customers (23 + 24 + 25 + |         |          | 3       | 10            | 64        | 200    | 64           |
| .30  | 200   | 12,093  | 10,689   | 9,984   | 9,495         | 9,509     | 7,497  | 7,455        |
| 32   | Distribution by non-respondents                   | 11.776  | 10.455   | 10 422  | 120 051       | 1 0       |        |              |
| Sae  | Sae fortnotes on near h                           |         | -        |         |               | 7,434     | 0,020  | 7, 782       |



Supply and Disposal of Electric Energy - Concluded

Yukon 1968 - Concluded

| No.   | August   | September   | October | November                                | December   | 1968   | 1967(3)  |
|---|--|---|---------|---|--|--|--|
|   | me - panasam is pripuntadispractiva danasta a danaf pigg | A compare and displacement of the compare and |         | thousand kwh.                           | ender framerin francisconte en consequentamentamentamentamentamentamente en consequente en conse | And the second s | The second secon |
| Supply of electric energy                         |  |   |         |   |  |  |  |
|   |  |   |         |   |  |  |  |
| Utilities - Hydro                                 | 7,019  | 8,123   | 9,234   | 9,416                                   | 10,573   | 107,990  | 241,999  |
| 0 0   | 7,816  | 8,836   | 10,060  | 10,515                                  | 11,912   | 119,389  | 34,225   |
| THURSELY  |  |   | 1 1     | 1 1                                     | 1 (  | 1  | 31,624   |
| Totals (4 + 5)                                    | 1  | 8   |         | 1 7                                     |  | 1 1  | 31.624   |
| Grand total - Hydro (1                            | 7,019  | 8,123   | 9,234   | 9,416                                   | 10,573   | 107,990  | 273,623  |
| Total net generation (7 + 8)                      | 7,816  | 8,836   | 10,060  | 10,515                                  | 11,912   | 119,389  | 307,848  |
| 10 Received from other provinces                  | 1  | 9   |         |   | 1  | 8  | f  |
| Imported from United States                       | 1  | ı   | P       | 1                                       | ı  | 1  | 1 0  |
| (10 + 11)   | 8 p  | 8 6   | 1       | 8                                       | 1  | 1  | 8  |
|   | /, 31.6  | 8,836   | 10,060  | 10,515                                  | 11,912   | 119,389  | 307,848  |
|   |  |   |         |   |  |  |  |
| Disposal of electric energy                       |  |   |         |   |  |  |  |
| 77  |  |   |         |   |  |  |  |
| 14 Delivered to other provinces and exported:     | ı  | ,   | 1       | 1                                       | 1  | 1  | 1  |
| Exampled to Thited cteton Diam                    | 8  | 1   | ı       | ı                                       | ı  | 3  |  |
|   | , ,  | ' '   | 1 1     | B (                                     | 8  | ,  | 0  |
|   |  | 1   |         | 1                                       | ı  | ı  |  |
|   | 7 816  | 1 CC  | 10.060  | 100                                     | 0 0 0 0  | 6 C  | 8 -  |
| 20 Energy used in own plant - Firm                | 89   | 173   | 77      | 110                                     | 41, 912  | 1,067  | 307,848  |
|   | 36   | 52  | 137     | 71                                      | 1.7  | 795  | 7,442  |
| Sales to ultimate customers:                      |  |   |         | d<br>o                                  | 7  | 7,007  | 33,002   |
| 24 Secondary                                      | 3,412  | 3,578   | 4,183   | 5,943                                   | 5,148  | 51,504   | 121,248  |
| General service (commercial)                      | 1,450  | 1,406   | 1,977   | 1,926                                   | 1,543  | 19,398   | 56,253   |
| Domestic  | 1,084  | 1,229   | 1,271   | 1,812                                   | 2,026  | 17,795   | 25,252   |
|   | 20   | 50  | 54      | 1 50                                    | , 72   | ***  | 1 0  |
| Total sales to ultimate customers (23 + 24 + 25 + |  |   | i       |   | 70   | 770  | 1,012  |
|   | 7,693  | 8,438   | 8,856   | 11,479                                  | 10,722   | 113,910  | 240,508  |
| 31 Distribution by non-respondents                | 7 816  | 00 00   | 0000    | 1 | )  | 7,01   | 14,558   |
|   | 0,040  | 0,000   | 70,000  | 10,515                                  | 11,912   | 119,389  | 307,848  |



Supply and Disposal of Electric Energy - Continued

Northwest Territories 1968

|      |   | January                            | February                           | March                                | April                              | Мау                                | June                               | July                               |  |
|------|---|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--|
|      | Supply of electric energy   |                                    |                                    |                                      |                                    |                                    |                                    |                                    |  |
| Ne l |   | 17,306<br>3,796<br>21,102<br>2,205 | 15,789<br>3,452<br>19,241<br>2,061 | 16,390<br>3,310<br>19,700<br>2,147   | 13,897<br>3,022<br>16,919<br>2,119 | 14,158<br>2,728<br>16,886<br>2,205 | 10,878<br>2,586<br>13,464<br>2,014 | 11,239<br>2,242<br>13,481<br>2,169 |  |
| Gra  | Grand total - Hydro (1 + 4)  Total net generation (7 + 8)  Energy reciyed from other provinces and imported             | 2,205<br>19,511<br>3,796<br>23,307 | 2,061<br>17,850<br>3,452<br>21,302 | 2,147<br>18,537<br>3,310<br>21,847   | 2,119<br>16,016<br>3,022<br>19,038 | 2,205<br>16,363<br>2,728<br>19,091 | 2,014<br>12,892<br>2,586<br>15,478 | 2,169<br>13,408<br>2,242<br>15,650 |  |
| 4.1  | Received from other provinces and imported: Imported from United States   | 1 1                                | f f                                |                                      |                                    | t 1                                | 0 0                                |                                    |  |
| Tot  | imported (10 + 11)  Total supply of energy (9 + 12)   | 23,307                             | 21,302                             | 21,847                               | 19,038                             | 19,091                             | 15,478                             | 15,650                             |  |
|      | Disposal of electric energy   |                                    |                                    |                                      |                                    |                                    |                                    |                                    |  |
| Ene  | Energy delivered to other provinces and exported:  Delivered to other provinces - Firm                                  | 1 1 1                              | 1 1 1 1                            | 8 1 8 8                              | 1 1 1 1                            | 0 3 6 9                            | 1 ( )                              |                                    |  |
| To   |   | 23,307 2,138                       | 21,302                             | 21,847                               | 19,038                             | 19,091 2,137                       | 15,478                             | 15,650 2,085                       |  |
| S    | Total used in own plant (20 + 21)   | 2,138                              | 1,996                              | 2,077                                | 2,051                              | 2,137                              | 1,951                              | 2,085                              |  |
|      | Power - Firm Secondary General Service (commercial)   | 7,372 4,458 1,510                  | 6,164<br>5,594<br>2,917            | 8,535<br>3,853<br>3,854              | 6,891<br>3,478<br>1,354            | 7,357                              | 6,830                              | 6,955                              |  |
|      | Domestic Street lighting Total alles to ultimate customers (23 + 24 + 25  | 845                                | 1,670                              | 2,836                                | 572                                | 981                                | 1,745                              | 410                                |  |
| Un   | + 26 + 27 + 28) Unallocated energy(2) Distribution by non-respondents Total disposal of energy (18 + 22 + 29 + 30 + 31) | 14,212<br>4,616<br>2,341<br>23,307 | 16,367<br>1,518<br>1,421<br>21,302 | 19,103<br>- 1,214<br>1,881<br>21,847 | 13,453<br>2,150<br>1,384<br>19,038 | 13,893<br>1,757<br>1,304<br>19,091 | 12,877<br>- 516<br>1,166<br>15,478 | 10,193<br>2,277<br>1,095<br>15,650 |  |
| £00  | See footnotes on page 4.  |                                    |                                    |                                      |                                    |                                    |                                    |                                    |  |



Supply and Disposal of Electric Energy - Concluded Northwest Territories 1968 - Concluded

No.

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11 11 12

. . . : : : : 0 0 0 0 0 0 . . . . 1967 (4) 170,996 38,005 209,001 25,797 25, 797 196, 793 38,005 234, 798 234,798 234,798 24,735 24,735 37,251 30,453 18,062 1,409 175,100 16,522 18,441 234,798 87,925 1 1 1 1 1968 16,945 4,218 21,163 2,189 2,189 19,134 4,218 23,352 23,352 1,876 23,352 8,753 2,846 3,896 2,512 18,030 1,204 2,242 23,352 1 1 1 1 December 15,606 3,729 19,335 2,114 21,449 2,114 17,720 3,729 21,449 2,046 21,449 2,046 7,188 3,605 3,397 3,268 17,481 1,846 1 1 1 1 November thousand kwh, 15,378 3,403 18,781 2,183 2,183 17,561 3,403 20,964 20,964 20,964 2,111 7,775 3,934 1,587 538 13,856 3,426 1,571 20,964 2,111 1 1 1 1 October 12,159 2,906 15,065 2,214 17,279 2,214 14,373 2,906 17,279 17,279 2,160 2,160 7,111 1,758 3,221 1,681 13,792 - 14 1,341 17,279 1 1 1 1 September 11,843 1,242 849 11,251 2,613 13,864 2,177 2,177 13,428 2,613 16,041 16,041 2,107 2,107 6,994 1,390 2,434 1,004 16,041 16,041 1 1 1 1 August Utilities - Hydro ..... Unallocated energy(2) ...

Distribution by non-respondents ...

Total disposal of energy (18 + 22 + 29 + 30 + 31) .... Thermal ..... Totals (1 + 2) ..... Industry - Hydro ...... Thermal ..... Thermal (2 + 5) ..... Total net generation (7 + 8) ..... Received from other provinces ...... Delivered to other provinces - Firm ........ Exported to United States - Firm ...... Secondary ..... Energy used in own plant - Firm ..... Secondary .... Total used in own plant (20 + 21) ..... Power - Firm ..... General service (commercial) ...... Domestic ..... Farm(1) ..... + 26 + 27 + 28) ....... Secondary ..... Secondary Energy received from other provinces and imported: Energy delivered to other provinces and exported: Total received from other provinces and Total delivered to other provinces and Disposal of electric energy Supply of electric energy Sales to ultimate customers: See footnotes on page 4. Net generation:

30

23 24 25 25 27 27 28 29

14 15 16 17 17



or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 8 No. 56



September 19, 1969

MONTHLY SUPPLY AND DISPOSAL OF ELECTRIC ENERGY - 1968

## Introduction

This report presents a summary of the Monthly Electric Power Statistics Survey incorporating all revisions to date. The 1968 monthly data were originally published in the twelve monthly issues of Catalogue No. 57-001.

The survey covers all firms which generate a minimum of 10 million kwh. per annum together with the large distributors of electric energy. In 1967 these firms accounted for 99.5% of all generation and 95.9% of sales to ultimate customers and generation for own use by industrial establishments. The same group of generating firms which provide statistics for the publication "Electric Power Statistics, Volume I, Annual Electric Power Survey of Capability and Load" (Catalogue No. 57-204) are covered in the monthly survey. Therefore there is a direct comparison with the Capability and Load report insofar as energy generation, imports, exports and use of secondary energy are concerned. Any differences are due to late revisions.

## Review of Survey Results

Net generation (total generation less energy used in generating station service) by firms which generated a minimum of 10 million kwh. increased 6.4% in 1968 to 175,374,378 thousand kwh. from 164,787,829 thousand kwh. in 1967. Output from hydro plants which accounted for 77% of the total generation increased only by 1.8% over 1967 while thermal generation was up 25.0%. Industrial establishments produced 18.3% of the 1968 generation compared with 19.4% in 1967. Monthly generation varied from a high of 16,761,038 thousand kwh. in December to a low of 13,302,294 thousand kwh. in June.

Quebec contributed 37.1% of the total Canadian generation, followed by Ontario with 32.1% and British Columbia with 13.2%. Of these three provinces, the increase in generation in Ontario amounted to 8.3% over the 1967 generation, while increases in British Columbia and Quebec generation were 9.5% and 1.9% respectively. The largest percentage increase in 1967 net generation was 19.2% in Newfoundland, followed by New Brunswick with 15.0% and Alberta with 14.3%.

6503-521



Imports from the United States declined slightly to 4,128,762 thousand kwh. in 1968 from 4,141,683 thousand kwh. in 1967.

Total sales to ultimate customers served by the reporting group of companies increased by 8.9% to 114,328,449 thousand kwh. in 1968 from 104,956,173 thousand kwh. in 1967. Percentage increases in sales by rate categories amounted to 7.8% for domestic, 7.0% for farm, 14.8% for general service (commercial), 7.9% for power and 10.8% for street lighting. Again in 1968 the reclassification of some power customers to the general service category caused a larger increase in the latter classification. Energy used in own plant which consists mainly of generation by industrial establishments for their own use increased 1.8% in 1968.



Supply and Disposal of Electric Energy

Canada 1968

| July     |                           | 8,563,672<br>2,310,069<br>10,873,741<br>2,210,364<br>568,193<br>2,578,557<br>10,774,036<br>2,678,562<br>13,452,298  | 222,546<br>222,546<br>13,674,844   |                             | 57,330<br>165,750   | 223,080<br>13,451,764<br>3,443,917<br>27,270<br>3,471,187  | 4,817,305<br>62,294<br>1,352,946<br>2,278,204<br>112,380<br>88,482  | 8,711,611<br>807,242<br>461,724<br>13,674,844   |
|----------|---------------------------|---|--|-----------------------------|---|--|---|---|
| June     |                           | 8,466,894<br>2,373,598<br>10,840,492<br>2,086,711<br>375,091<br>2,461,802<br>10,553,605<br>10,553,605<br>13,302,294   | 253,975<br>253,975<br>13,556,269   |                             | 58,561<br>139,059   | 13,358,649 13<br>3,377,488 3<br>26,111 3,403,599 3         | 4,830,761<br>65,592<br>1,396,549<br>2,443,988<br>2,443,988<br>83,246  | 8,922,021 8<br>442,809<br>590,220<br>13,556,269 13  |
| May      |                           | 9,099,983<br>2,387,959<br>111,487,942<br>2,179,488<br>391,939<br>2,571,427<br>11,279,471<br>2,779,898   | 278,825<br>278,825<br>14,338,194   |                             | 67,282  | 289,364<br>14,048,830<br>3,479,463<br>28,051<br>3,507,514  | 4,875,764<br>86,697<br>1,398,795<br>2,734,335<br>120,258<br>91,399  | 9,307,248<br>720,177<br>513,891<br>14,338,194   |
| April    | thousand hwh.             | 9,261,139<br>2,179,518<br>11,440,657<br>2,215,384<br>3,77,652<br>2,593,036<br>11,476,523<br>2,557,170   | 259,810<br>259,810<br>14,293,503   |                             | <br>68,156<br>288,799   | 356,955<br>13,936,548<br>3,325,939<br>46,530<br>3,372,469  | 4,853,327<br>101,692<br>1,506,857<br>3,062,476<br>144,108<br>95,131   | 9,763,591<br>280,597<br>519,891<br>14,293,503   |
| Narch    |                           | 9,034,119<br>3,193,744<br>12,227,863<br>2,269,081<br>411,530<br>2,680,611<br>11,303,200<br>3,605,274<br>14,908,474  | 441,584<br>441,584<br>15,350,058   |                             | 60,951  | 322,280<br>15,027,778<br>3,414,083<br>39,173<br>3,453,256  | 4,947,685<br>72,548<br>1,536,164<br>3,146,600<br>137,848<br>99,750  | 9,940,595<br>1,035,749<br>598,178<br>15,350,058   |
| February |                           | 8,906,220<br>3,260,349<br>12,166,569<br>2,339,071<br>387,955<br>2,747,026<br>11,265,291<br>3,648,304<br>14,913,595  | 389,820<br>389,820<br>15,303,415   |                             | 56,502  | 336,246<br>14,967,169<br>3,210,667<br>157,040<br>3,367,707 | 4,847,813<br>75,991<br>1,612,011<br>3,454,260<br>144,292<br>102,614   | 10,236,981<br>734,908<br>627,573<br>15,303,415  |
| Januarv  |                           | 9,538,857<br>3,571,115<br>13,109,972<br>2,531,643<br>30,025<br>2,901,868<br>12,070,500<br>3,941,340<br>16,011,840   | 373,102<br>373,102<br>16,384,942   |                             | 55,636  | 353,214<br>16,031,728<br>3,303,751<br>173,298<br>3,477,049 | 4,932,359<br>73,899<br>1,620,699<br>3,413,695<br>129,688<br>106,886   | 10,277,226<br>1,542,795<br>734,658<br>16,384,942  |
| No.      | Supply of electric energy | Net generation:  Utilities - Hydro  Thermal  Industry - Hydro  Totals (4 + 5)  Grand total - Hydro (1 + 4)  Total net generation (7 + 8)  Energy received from other provinces and imported | 10 Received from other provinces 11 Imported from United States 12 Total received from other provinces and imported 13 Total supply of energy (9 + 12) | Disposal of electric energy | 14 Delivered to other provinces and exported: 15 Exported to United States - Firm | Ener   | Power - Firm  24 Secondary 25 General service (commercial) 26 Domestic 27 Farm(1) 28 Street lighting 29 Total sales to ultimate customers (73 + 24 + 25 + | 26 + 27 + 28) 30 Unallocated energy(2) 31 Distribution by non-respondents 32 Total disposal of energy (18 + 22 + 29 + 30 + 31) See footnotes on page 4. |



- 4 -

Supply and Disposal of Electric Energy - Continued

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| No   |  | August                 | September              | October    | November         | December       | 1968                      | 1967                                    |
|------|--|------------------------|------------------------|------------|------------------|----------------|---------------------------|---|
|      |  |                        |                        |            | thousand kwh.    |                |                           |   |
|      | Supply of electric energy  |                        |                        |            |                  |                |                           |   |
| -    | Net generation:  | 000                    |                        |            |                  |                |                           |   |
| 2 6  | Thermal  | 2,884,537              | 2,976,110              | 8,835,221  | 9,098,919        | 9,892,600      | 107,039,008               | 104,431,049                             |
| 14   | Industry - Hydro   | 2,210,492              | 11,037,028             | 12,251,468 | 12,668,396       | 13,935,170     | 143,204,301               | 132,815,393                             |
| 0 0  | Thermal  | 374,335                | 344,459                | 401,785    | 404,325          | 408,252        | 4,615,741                 | 4,241,635                               |
| r 0  | Grand total - Hydro (1 + 4)  | 10,490,958             | 10,348,752             | 2,795,121  | 2,797,641        | 2,825,868      | 32,170,077                | 31,972,436                              |
| 0 0  | Total net generation (7 + 8)   | 3,258,872              | 3,320,569              | 3,818,032  | 3,973,802        | 4,450,822      | 40,781,034                | 32,625,979                              |
| 10   | Energy received from other provinces and imported: Received from other provinces | 4                      |                        |            |                  |                | 0,0,0,0,0                 | 104,/0/,029                             |
| 111  | Imported from United States  | 233,286                | 347,934                | 357,672    | 442,767          | 527,441        | 4,128,762                 | 4,141,683                               |
| ~    | (1C + 11) Total supply of energy (9 + 12)  | 233,286                | 347,934                | 357,672    | 442,767          | 527,441        | 4,128,762                 | 4,141,683                               |
|      |  |                        |                        |            |                  | 11,500,417     | 1/9,303,140               | 168,929,512                             |
|      | Disposal of electric energy  |                        |                        |            |                  |                |                           |   |
| 17.  | Energy delivered to other provinces and exported:                                | _                      |                        | _          |                  |                |                           |   |
| 15   |  | •                      | •                      |            | •                | :              | :                         | •                                       |
| 16   | Exported to United States - Firm   | 61,022                 | 58,499                 | 64, 645    | 61,997           | 70.817         | 741 398                   |   |
| 00   | Total delivered to other provinces and exported                                  | 199,431                | 215,844                | 295,089    | 256,914          | 293,813        | 2,915,432                 | 3,430,920                               |
| 19   |  | 260,453                | 274,343                | 359,734    | 318,911          | 364,630        | 3,656,830                 | 4,065,649                               |
| 20   | Energy used in own plant - Firm  | 3,398,618              | 3,310,493              | 3,586,969  | 15,589,893       | 16,923,849     | 175,846,310               | 164,863,863                             |
| 22   | Secondary  | 49,646                 | 93,853                 | 54,369     | 67,144           | 38,456         | 800,941                   | 1,272,273                               |
| 22   | Sales to ultimate customers:   | 1001                   | 0,404,040              | 3,041,338  | 3,561,200        | 3,649,656      | 41,757,585                | 41,024,572                              |
| 24   | Secondary  | 4,831,809              | 4,967,424              | 5,132,080  | 5,195,390        | 5,300,889      | 59,532,606                | 54.789.271                              |
| 25   | Ceneral service (commercial)   | 1.285.589              | 1 452 931              | 94,053     | 103,210          | 98,875         | 1,021,176                 | 1,326,570                               |
| 27   | Domestic   | 2,179,408              | 2,216,113              | 2,572,625  | 2,695,497        | 2,987,911      | 33, 185, 112              | 15,683,659                              |
| 28   | oriteet lighting   | 98,520                 | 83,310                 | 89,367     | 114,093          | 121,672        | 1,397,421                 | 1.306.019                               |
| 29   | Total sales to ultimate customers (23 + 24 + 25 +                                | 92,260                 | 98,432                 | 104,808    | 112,107          | 117,085        | 1,192,200                 | 1,076,117                               |
| 30   | 26 + 27 + 28)  | 8,569,481              | 8,922,640              | 9,476,442  | 9,842,690        | 10,357,923     | 114,328,449               | 104.956.173                             |
| 31   | Distribution by non-respondents  | 503,000                | 167,006                | 1,363,084  | 1,544,664        | 2,202,034      | 12,776,218                | 12,310,922                              |
| 32   | Total disposal of energy (18 + 22 + 29 + 30 + 31)                                | 13,983,116             | 14,017,255             | 15,404,261 | 15,908,804       | 714,236        | 6,984,058                 | 6,572,196                               |
| (7)  | (1) Many utilities cannot distinguish between domestic and farm                  |                        |                        |            |                  |                |                           | 111000000000000000000000000000000000000 |
| adju | adjustment. (3) Includes Northwest Territories. (4) Included in                  | i, as they do not keep | Keep separate records. | (5)        | Includes losses, | unaccounted fo | for, and cyclical billing | billing                                 |

(4) Included in Yukon. .. Figures not available. ... Figures not appropriate or not applicable,



Supply and Disposal of Electric Energy - Continued

Newfoundland 1968

| July     |                           | 257,301<br>823<br>258,124   | 32,828<br>-<br>32,828<br>290,129<br>823                |  | 290,952                         |                             | 3,223  | 6,060<br>284,892<br>83,442  | 11,808                            | 138,841<br>-<br>14,618<br>21.118                        | 855  | 175,432<br>12,994<br>1,216<br>290,952   |                             |
|----------|---------------------------|---|--|--|---------------------------------|-----------------------------|--|---|-----------------------------------|---|--|---|-----------------------------|
| June     |                           | 258,75 <b>2</b><br>5,230<br>263,982                                       | 30,287<br>30,287<br>289,039<br>5,230                   | 1 1  | 294,269                         |                             | 3,574 . 2,453  | 6,027<br>288,242<br>87,665  | 10,689                            | 137,104<br>17,361<br>24,255                             | 776  | 179,496<br>9,172<br>1,220<br>294,269  |                             |
| May      |                           | 251,915<br>8,928<br>260,843   | 27,368<br>569<br>27,937<br>279,283<br>9,497<br>288,780 | 1 1  | 288,780                         |                             | 4,197  | 6,261<br>282,519<br>74,760  | 3,690                             | 147,420<br>18,242<br>25,306                             | 861  | 191,829<br>10,992<br>1,248<br>288,780   |                             |
| April    | thousand kwh.             | 264,435<br>8,175<br>272,610   | 29,074<br>29,074<br>293,509<br>8,175<br>301,684        | t i  | 301,684                         |                             | 4,211<br>1,080   | 5,291<br>296,393<br>87,550  | 93,785                            | 21,362  | 1,056  | 192,277<br>9,235<br>1,096<br>301,684  |                             |
| March    |                           | 280,798 9,542 290,340   | 30,433<br>30,492<br>311,251<br>9,581<br>320,832        | 4 (  | 320,832                         |                             | 5,519  | 6,263<br>314,569<br>86,641  | 92,863                            | 21,277  | 1,209  | 204,630<br>15,824<br>1,252<br>320,832   |                             |
| February |                           | 264,670<br>10,895<br>275,565  | 31,52<br>31,552<br>295,996<br>11,121<br>307,117        | 1 1  | 307,117                         |                             | 5,608  | 7,758 299,359 78,390  | 94,246                            | 22,049  | 1,230  | 190,791<br>13,074<br>1,248<br>307,117   |                             |
| January  |                           | 261,604<br>11,966<br>273,570<br>33,047                                    | 33,457<br>294,651<br>12,376<br>307,027                 | 1 1  | 307,027                         |                             | 6,875  | 8,651<br>298,376<br>77,599  | 81,539                            | 22,008<br>31,736  | 1,564  | 202,344<br>13,317<br>1,176<br>307,027   |                             |
|          | Supply of electric energy | Net generation: Utilities - Hydro Thermal Totals (1 + 2) Industry - Hydro |  | Received from other provinces Imported from United States Total received from other provinces and imported | Total supply of energy (9 + 12) | Disposal of electric energy | Energy delivered to other provinces and exported: Delivered to other provinces - Firm Secondary Exported to United States - Firm Total delivered to other provinces and exported | (14 + 15 + 16 + 17)  Total made available for use in Canada (13 - 18)  Energy used in own plant - Firm  Secondary | Total used in own plant (20 + 21) | Secondary Ceneral service (commercial) Domestic Farm(1) | Street lighting  Total sales to ultimate customers (23 + 24 + 25 + | Unallocated energy(2) Distribution by non-respondents Total disposal of energy (18 + 22 + 29 + 30 + 31) | See footnotes on page $4$ . |
| No.      |                           | 1 7 7 7 1   | 0000   | 10   | 13                              |                             | 14<br>15<br>16<br>17<br>17   | 19 20 21  | 23                                | 24<br>25<br>26<br>27                                    | 28   | 30 31 32  | See                         |



- 6 -

Newfoundland 1968 - Concluded

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problem of precipic guergy - Continued

2,620,893 387,989 137,938 525,927 2,883,819 263,001 125,063 3,146,820 57,804 25,588 3,063,428 21,738 83,392 50,340 277,543 11,765 ,038,047 ,411,137 1,864,700 138,943 1961 3,297,477 73,125 3,370,602 379,697 74,369 380,941 80,254 3,677,174 54,795 25,459 3,751,543 ,005,172 246,020 125,718 ,130,890 ,774,879 14,293 2,348,167 177,876 14,356 3,751,543 8961 319,436 12,091 331,527 30,521 30,521 349,957 12,091 362,048 362,048 7,765 354,283 85,128 9,165 94,293 4,967 38,031 1,679 21,441 1,176 63,601 December 304,673 3,693 308,366 34,455 339,128 3,693 342,821 34,455 342,821 4,208 7,093 335,728 95,008 5,227 thousand kwh 21,606 26,158 1,536 211,626 22,679 1,188 62,326 November 341,796 34,383 34,383 341,796 307,413 4,2612,688 334,847 91,247 19,353 110,600 18,849 200,745 6,949 1,386 1,188 56,860 October 260,363 261,257 32,224 32,224 894 287,564 293,481 3,843 5,917 15,824 15,353 1,149 183,667 12,088 1,136 September 33,731 299,886 850 266,155 33,731 267,005 300,736 4,309 300,736 82,893 17,709 6,219 15,264 21,693 1,212 294,517 992 177,957 14,746 40,008 August Totals (4 + 5)

Grand Total - Hydro (1 + 4)

Total net generation (7 + 8) Utilities - Hydro ..... Thermal ..... Totals (1 + 2) ..... Industry - Hydro Thermal ..... Delivered to other provinces - Firm ...... Received from other provinces ..... Imported from United States ..... Total supply of energy (9 + 12) Secondary ..... Exported to United States - Firm ...... Secondary ..... Farm(1)
Street lighting
Total sales to ultimate customers (23 + 24 + 25 + Energy used in own plant - Firm ...... Power - Firm ..... General service (commercial) ...... Domestic ..... 26 + 27 + 28) Secondary Total received from other provinces and imported (10 + 11) Total delivered to other provinces and exported Energy received from other provinces and imported: Energy delivered to other provinces and exported: Disposal of electric energy Supply of electric energy Sales to ultimate customers: See footnotes on page 4. Net generation:

30 31 32



Supply and Disposal of Electric Energy - Continued

Prince Edward Island 1968

|   | 17,954 | 17,077 17,077                           | 16,974 16,974 16,974 16,974                    | 15,406<br>15,406<br>15,406<br>15,406<br>15,406<br>15,406 | 15,189<br>15,189<br>15,189<br> | 14,575<br>14,575<br>14,575<br>14,575           | 15,564  |
|---|--------|---|--|--|--------------------------------|--|---------|
| Supply of electric energy  Net generation: Utilities - Hydro Thermal Totals (1 + 5) Industry - Hydro Thermal Totals (4 + 5) Grand total - Hydro (1 + 4) Total net generation (7 + 8) Total net generation (7 + 8) Energy received from other provinces Imported from other provinces Imported from United States Total received from other provinces and imported | 17,954 | 17,077 17,077                           | 16,974<br>16,974<br>16,974<br>16,974<br>16,974 | 15,406<br>15,406<br>15,406<br>15,406<br>15,406           | 15,189<br>15,189<br>           | 14,575<br>14,575<br>14,575<br>14,575           | 15,564  |
| Net generation: Utilities - Hydro  Utilities - Hydro  Thermal  Totals (1 + 2)  Industry - Hydro  Thermal  Totals (4 + 4)  Grand total - Hydro (1 + 4)  Total net generation (7 + 8)  Energy received from other provinces  Imported from other provinces  Imported from the provinces  Total received from other provinces  Total received from other provinces   | 17,954 | 17,077 17,077 17,077 17,077 17,077      | 16,974<br>16,974<br>                           | 15,406<br>15,406<br>15,406<br>15,406<br>15,406           | 15,189<br>15,189<br>           | 14,575<br>14,575<br>14,575<br>14,575           | 15,564  |
| Utilities - Hydro Thermal Totals (1 + 2) Industry - Hydro Thermal Totals (4 + 5)  Grand total - Hydro (1 + 4)  Thermal (2 + 5)  Total net generation (7 + 8) Energy received from other provinces and imported: Received from other provinces Imported from United States Total received from other provinces and imported  | 17,954 | 17,077 17,077 17,077 17,077 17,077      | 16,974<br>16,974<br>16,974<br>16,974<br>16,974 | 15,406 15,406 15,406 15,406 15,406                       | 15,189 15,189                  | 14,575<br>14,575<br>14,575<br>14,575           | 15,564  |
| Totals (1 + 2)  Industry - Hydro Thermal Totals (4 + 5)  Grand total - Hydro (1 + 4)  Total net generation (7 + 8)  Energy received from other provinces Imported from other provinces Imported from the provinces Total received from other provinces  | 17,954 | 17,077                                  | 16,974<br>16,974<br>16,974<br>16,974           | 15,406   | 15,189                         | 14,575<br>14,575<br>-<br>-<br>14,575<br>14,575 | 15,564  |
| Totals (4 + 5)  Grand total - Hydro (1 + 4)  Thermal (2 + 5)  Total net generation (7 + 8)  Energy received from other provinces  Imported from other provinces  Imported from the provinces  Total received from other provinces   | 17,954 | 17,077                                  | 16,974   | 15,406   | 15,189                         | 14,575   | 1.000   |
| Grand total - Hydro (1 + 4)  Thermal (2 + 5)  Total net generation (7 + 8)  Energy received from other provinces and imported:  Received from other provinces  Imported from United States  Total received from other provinces   | 17,954 | 17,077                                  | 16,974 16,974 16,974 16,974                    | 15,406   | 15,189                         | 14,575   |         |
| Grand total - Hydro (1 + 4).  Thermal (2 + 5)  Total net generation (7 + 8)  Energy received from other provinces and imported:  Received from other provinces  Imported from United States  Total received from other provinces  | 17,954 | 17,077 17,077                           | 16,974 16,974                                  | 15,406   | 15,189                         | 14,575   | ı       |
| Total net generation (7 + 8)  Energy received from other provinces and imported:  Received from United States  Imported from United States  Total received from other provinces and imported  | 17,954 | 17,077                                  | 16,974   | 15,406   | 15,189                         | 14,575   | 1 1     |
| Energy received from other provinces and imported: Received from other provinces Imported from United States Total received from other provinces and imported   |        | 17,077                                  | 16,974   | 15,406   |                                | 0/0,41   | 15,564  |
|   |        | 17,077                                  | 16,974   | 15,406   | , ,                            |  | 13, 364 |
|   | - 0 6  | 17,077                                  | 16,974   | 15,406   | '                              | •  | ı       |
| 710   | 17 05% | 17,077                                  | 16,974   | 15,406   |                                | ,  | 1       |
| 13 Total supply of energy (9 + 12)  |        | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 10,774   | 13,400   | l (                            | 1 1  | ,       |
|   | 10000  |   |  |  | 15,189                         | 14,575   | 15,564  |
| Disposal of electric energy   |        | -                                       |  |  |                                |  |         |
| 퉙   |        |   |  |  |                                |  |         |
| 15 Secondary  | 1 1    | 1                                       | 1  | 1  | 1                              | 1  | 1       |
| Exported to United States - Firm  | , ,    | 1 1                                     | 1 1  | ' '  | ( 1                            | 1 1  | t i     |
| Secondary   | ř      | 1                                       | 1  | ı  | í                              | 1  | •       |
| (14 + 15 + 16 + 17)   | 1      | 1                                       | 1  |  |                                |  |         |
|   | 17,954 | 17,077                                  | 16,974   | 15,406   | 15,189                         | 14.575   | 15 564  |
| Energy used in own plant - Firm   | 1      | 1                                       | ,  |  | 1                              |  | 1       |
| Total used in own plant (20 + 21)   | 1 1    | 1                                       | 1  | 1  | 1                              | 1  | •       |
| Sa  |        | 1                                       | 1  | ı  | t                              | 1  | •       |
| 23 FOWER - FIRM   | 172    | 2,521                                   | 1,231  | 1,107  | 946                            | 199  | 794     |
| General service (commercial)  | 1,0/6/ | 1,780                                   | 1,/1   | 1,810  | 1,851                          | 1,914  | 2,029   |
| Domestic  | 8,229  | 7,686                                   | 7,070  | 6,676  | 5,544                          | 6,291  | 5,724   |
|   | 1      | * 1                                     |  | 1  | ,                              | ,  | i       |
| :   | 168    | 169                                     | 170  | 170  | 159                            | 161  | 150     |
| 26 + 27 + 28)   | 16,705 | 15,738                                  | 14,911   | 14,356   | 12,865                         | 14,077   | 13,115  |
|   | 1,249  | 1,339                                   | 2,063  | 1,050  | 2,324                          | 867  | 2,449   |
|   | 17,954 | 17,077                                  | 16,974   | 15,406   | 15,189                         | 14.575   | 15.564  |



Prince Edward Island 1968 - Concluded

orphis and Disposal of Electric Energy " Continued

| Net generation:  Utilities - Hydro  Utilities - Hydro  Thermal  Totals (1 + 2)  Totals (1 + 2)  Thermal (2 + 5)  Total net generation (7 + 8)  Total net generation (7 + 8)  Energy received from other provinces and imported:  Imported from other provinces and imported  Imported from other provinces and imported  Internal (2 + 5)  Total received from other provinces and imported  Imported from other provinces  Internal (1 + 1)  Intel supply of energy (9 + 12)  Energy delivered to other provinces and exported:  Energy delivered to other provinces - Firm  Energy delivered to other provinces - Firm | 15,503<br>15,503<br>15,503<br>15,503<br>15,503 | 17,071<br>17,071<br>                                     | 17,943<br>17,943<br>17,943<br>17,943<br>17,943 | 19,448<br>19,448<br>19,448<br>19,448 | 196,957<br>196,957<br>196,957<br>196,957 | . 180,856<br>180,856<br>180,856<br>180,856 |
|--|--|--|--|--------------------------------------|--|--|
|  | 15,503<br>15,503<br>15,503<br>15,503<br>15,503 | 17,071<br>17,071<br>-<br>-<br>17,071<br>17,071<br>17,071 | 17,943<br>17,943<br>17,943<br>17,943           | 19,448<br>19,448<br>19,448<br>19,448 | 196,957<br>196,957<br>196,957<br>196,957 | . 180,856<br>180,856<br>180,856<br>180,856 |
|  | 15,503<br>15,503<br>15,503<br>15,503<br>15,503 | 17,071<br>17,071<br>-<br>-<br>17,071<br>17,071<br>17,071 | 17,943<br>17,943<br>17,943<br>17,943<br>17,943 | 19,448<br>19,448<br>19,448<br>19,448 | 196,957<br>196,957<br>196,957<br>196,957 | . 180,856<br>180,856<br>180,856<br>180,856 |
|  | 15,503<br>15,503<br>15,503<br>15,503<br>15,503 | 17,071<br>17,071<br>17,071<br>17,071<br>17,071           | 17,943   | 19,448<br>19,448<br>19,448<br>19,448 | 196,957<br>196,957<br>196,957<br>196,957 | . 180,856<br>180,856<br>180,856<br>180,856 |
|  | 15,503   | 17,071 17,071 17,071                                     | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |
|  | 15,503   | 17,071 17,071 17,071                                     | 17,943   | 19,448                               | 196,957                                  | 180,856<br>180,856<br>180,856              |
|  | 15,503   | 17,071 17,071  | 17,943   | 19,448                               | 196,957                                  | 180,856<br>180,856<br>180,856              |
|  | 15,503   | 17,0/1   | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |
|  | 15,503   | 17,071   | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |
|  | 15,503   | 17,071   | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |
|  | 15,503   | 17,071   | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |
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|  | 10,503   | 17,071   | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |
| :  | ı  | ŧ  | 1 4  | 1 1                                  | 1 1                                      | , ,  |
| Sales to ultimate customers:   | ı  | 1  | ı  | ŧ                                    | 1  | ,  |
|  | 882  | 937  | 1,220  | 1,462                                | 1.0 887                                  | 6  |
|  | 2,359  | 2,241  | 2,221  | 1,905                                | 23,861                                   | 20,977                                     |
| Domestic 6,112   | 6,204  | 6,633  | 7,531  | 4,993                                | 57,115                                   | 51,826                                     |
|  | 1  | ,  |  |                                      | 27,330                                   | 706'1/                                     |
| Total sales to ultimate customers (23 + 24 + 25 +  | 181  | 181  | 192  | 196                                  | 2,048                                    | 1,967                                      |
| 14,  | 14,355   | 14,441   | 16,425   | 16,214                               | 177,266                                  | 148,989                                    |
| Distribution by non-respondents  | 1,148  | 2,630  | 1,518  | 3,234                                | 19,691                                   | 31,867                                     |
| 32 local disposal of energy (18 + 22 + 29 + 30 + 31) 14,253  | 15,503   | 17,071   | 17,943   | 19,448                               | 196,957                                  | 180,856                                    |



Supply and Disposal of Electric Energy - Continued

Nova Scotia 1968

| July     |                           | 52,895<br>139,106<br>192,001<br>3,088<br>24,891<br>27,979<br>55,983<br>163,983   | 21,267   | 1,866  | 1,866<br>239,381<br>60,381<br>1,536<br>61,917                       | 36,887<br>677<br>49,013<br>54,539<br>2,207  | 143,323<br>(9,113<br>(5,023  |
|----------|---------------------------|--|--|--|---|---|--|
| eunr     |                           | 52,591<br>132,742<br>185,333<br>3,083<br>27,842<br>30,925<br>55,674<br>160,584<br>216,258  | 26,629   | , 6  | 242,791<br>63,309<br>1,656  | 39,611<br>912<br>49,238<br>67,014   | 158,885  |
| May      |                           | 50,762<br>119,957<br>170,719<br>3,119<br>28,181<br>31,300<br>53,881<br>148,138<br>202,019  | 52,044<br>-<br>52,044<br>254,063   | . 70   | \$53,993<br>62,080<br>1,680   | 37,917<br>698<br>52,290<br>67,444<br>1,922  | 160,271<br>355<br>196<br>063   |
| April    | thousand kwh.             | 60,859<br>106,825<br>167,684<br>3,317<br>31,718<br>35,035<br>64,176<br>138,543   | 51,944   | 1 4 1  | 254,615<br>60,302<br>1,632  | 36,608<br>756<br>56,372<br>72,524<br>2,032  | 168,292  |
| March    |                           | 80,660<br>136,420<br>217,080<br>1,462<br>31,573<br>33,035<br>82,122<br>167,993<br>250,115  | 21,045   | 7 0 3  | 270,457<br>56,762<br>1,643  | 37,708<br>690<br>54,513<br>70,579<br>2,097  | 165,587  |
| February |                           | 73,297<br>141,517<br>214,814<br>3,250<br>28,803<br>32,053<br>76,547<br>170,320   | 19,638<br>19,638<br>266,505  | 7 9 3  | 765,772<br>57,110<br>57,116<br>57,116                               | 38,529<br>923<br>58,745<br>80,068<br>2,194  | 180,459  |
| January  |                           | 86,093<br>177,071<br>263,164<br>3,525<br>26,746<br>30,271<br>89,618<br>203,817   | 5,133  | 9,992  | 9,992<br>288 576<br>61,974<br>1,625                                 | 38,576<br>56,672<br>75,657<br>2,223   | 174,298  |
|          | Supply of electric energy | Net generation: Utilities - Hydro Thermal Totals (1 + 2) Industry - Hydro Thermal Totals (4 + 5) Grand total - Hydro (1 + 4) Total net generation (2 + 5) Total net generation (7 + 8) Energy received from other provinces and imported | Received from other provinces Imported from United States Total received from other provinces and imported (10 + 11) Total supply of energy (9 + 12) | Energy delivered to other provinces and exported:  Delivered to other provinces - Firm | Total delivered to other provinces and exported (14 + 15 + 16 + 17) | Power - Firm Secondary General service (commercial) Domestic Farm(1) Street lighting Total sales to ultimate customers (73 + 25 + 1 | 26 + 27 + 28)    cated energy(2)   sylvine   s |



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| 7. 10. 7. 10. 31. day.  |  |  |  |   |  |   | ÷   |
|   | 41,700<br>162,115<br>203,815<br>2,922<br>2,222 | 32,124<br>200,168<br>232,272<br>2,246  | 30,839<br>232,685<br>2,53,524                    | 37,657<br>226,103<br>226,103<br>23,3764         | 59,503<br>214,529<br>274,032<br>2,500            | 658,980<br>1,989,238<br>2,648,218<br>32,990             | 631,700<br>2,012,941<br>2,644,641                       |
| 중 점   | 37,730<br>44,622;<br>56,755<br>741,527         | 27,576<br>29, 822<br>34,379<br>227,744 | 30,527<br>33,161<br>33,493<br>263,212<br>296,685 | 30,444<br>32,255<br>39,500<br>256,54<br>296,048 | 29,956<br>32,456<br>52,003<br>244,485<br>306,488 | 353,047<br>386,037<br>691,970<br>2,342,285<br>3,034,255 | 254,819<br>287,446<br>664,327<br>2,267,760<br>2,932,087 |
| In Imported from United States  Total received from other provinces and imported  (10 + 11) | 2,301  | 1,968                                  | 1,955  | 14,339  | 16,457   | 234,720   | 99,252  |
| 13 Total supply of energy (9 + 12)  | 2,301  | 1,968                                  | 1,955  | 310,387   | 16,457   | 234,720<br>3,268,975                                    | 3,031,339   |
| Disposal of electric energy   |  |  |  | N. Salama                                       |  |   |   |
| Energy delivered to other provinces and exported:  Delivered to other provinces - Firm      | 829  | 19,341                                 | 28,323   | 33,455  | 23,039   | 118,555   | 168,732   |
| 18 Total delivered to other provinces and exported (14 + 15 + 16 + 17)                      | 829  | 19,341                                 | 28,323   | 33,455  | 23.039   | ( C   | 1 1 001   |
| 20 Energy used in own plant - Firm Secondary Total used in own plant (20 + 21)              | 55,983   | 244,741<br>58,072<br>1,548             | 270,317  | 276,932<br>54,459<br>1,566                      | 299,906<br>59,679<br>1,721                       | 3,150,420 710,238                                       | 2,862,607<br>605,546<br>17,700                          |
| Sale  | 40,985   | 43,098                                 | 43,736   | 50,025  | 61,400   | 729,518   | 623,246   |
|   | 48,402<br>56,391                               | 933<br>49,478<br>52,795                | 1,013<br>49,328<br>59,993                        | 863<br>52,825<br>59,193                         | 936<br>55,931<br>73,323                          | 10,231  | 8,954<br>565,246<br>733,340                             |
|   | 5.080  | .,.14:                                 | 2,420  | 000   | .,755  | 27,277  | 23,499  |
| Unal td energy?  Jist: in by non-esp. dt  Total disposal of energy (18 + 22 + 29 + 30 + 31) |  | £ 20 1                                 | 0.84 %   | 158,00.   | 174,138<br>43,390<br>20,978                      | 1,937,285   | 1,772,363 238,548 228,450                               |
| See footnotes on page 4.  |  |  | 100,000  | 310,38  | 322,945  | 3,268.973   | 5,032,339   |



New Brunswick 1968

Supply and Disposal of Electric Energy - Continued

| Py of electric energy   12,622   160,411   178,724   221,538   283,665   118,638   1   |  | January | February  | March  | April thousand kwh.   | May   | June   | July  |  |
|--|--|---------|---|--|---|---|--|---|--|
| 19,535   160,411   178,724   291,536   118,638   118,738   118,7   | Jo   |         |   |  |   |   |  |   |  |
| Free other provinces and imported   13,260   3,762   3,495   3,299   2,753   2,531   2,251   | generation:  Lities - Hydro Thermal  Totals (1 + 2)  Hustry - Hydro  Thermal  Totals (4 + 5)  I total - Hydro (1 + 4)  al net generation (7 + 8)  Sy received from other provinces and imported: esived from other provinces   |         | 160,411<br>140,766<br>301,177<br>3,613<br>47,989<br>51,602<br>164,024<br>188,755<br>352,779 | 178,724<br>136,165<br>314,889<br>3,518<br>50,231<br>53,749<br>182,242<br>186,638 | 291,558<br>46,240<br>337,798<br>7,849<br>(1),902<br>49,751<br>299,407<br>88,142 | 283,865<br>57,949<br>341,814<br>9,436<br>42,920<br>52,356<br>2293,301<br>100,869<br>394,170 | 118,638<br>181,687<br>300,325<br>5,629<br>40,152<br>45,781<br>124,267<br>221,839 | 98,859<br>194,142<br>293,001<br>3718<br>38,193<br>41,911<br>102,577<br>232,335<br>334,912 |  |
| regy (9 + 12)  | oorted from United States. Otal received from other provinces and imported   |         | 3,669   | 3,299  | 2,753   | 2,531   | 2,251  | 4,382   |  |
| part of electric energy  strong provinces and exported:  10,104  10,106  10,106  10,106  10,107  10,109  10,101  10,10 | supply of energy (9 + 12)  |         | 3,762<br>356,541  | 3,495  | 390,528   | 398,150   | 349,085  | 340,358   |  |
| Ed States - Firm   | Disposal of electric energy  y delivered to other provinces and exported:  |         |   |  |   |   |  |   |  |
| 5 + 17)       34,239       32,327       54,922       89,222       90,495       60,076         11able for use in Canada (13 - 18)       318,737       304,214       317,211       301,306       307,655       289,009         plant - Fixed       96,304       89,962       96,326       91,301       101,701       100,431         secondary       3,184       4,856       3,588       3,494       2,690       3,546         own plant (20 + 21)       107,033       82,301       87,107       86,481       2,690       3,546         customers:       107,033       82,301       87,107       86,481       87,251       85,425         commercial)       35,415       32,588       30,983       28,412       27,744         commercial)       32,446       32,588       30,983       28,412       47,480         commercial)       332,446       65,744       61,554       50,450       47,480         ultimate customers (23 + 24 + 25 +       1,956       19,07       2,015       1,977       1,939       1,984         comercy (18 + 22 + 29 + 30 + 31)       356,541       372,133       396,528       398,150       349,085  | Dered to Other provinces - Firm  |         | 19,638<br>22,260<br>10,429  | 21,587<br>24,627<br>8,708  | 53,049<br>32,294<br>3,879   | 54,600<br>30,476<br>5,419   | 26,629<br>22,657<br>10,790   | 21,267<br>20,833<br>8,956   |  |
| wm plant (20 + 21)       Secondary       3,184       4,856       3,588       3,494       2,690       100,431         uustomers:       107,033       82,301       87,107       86,481       87,251       103,977         (commercial)       32,415       5,778       7,751       6,933       6,458       5,915         (commercial)       34,502       32,446       32,598       30,983       28,412       27,744         (a)       4,754       65,778       32,598       30,983       28,412       27,480         (a)       1,956       1,997       2,015       1,977       1,939       1,984         (a)       1,956       191,025       191,025       174,510       168,148         (a)       1,040       18,880       24,138       27,005       15,068         1,040       1,040       18,880       24,138       27,005       15,068         1,040       18,880       24,138       1,969       17,49       1,316         1,040       2,560       2,134       1,749       1,496       1,496         1,040       2,560       2,134       1,749       1,496       1,496       1,496         2,560       2,134       <  | (14 + 15 + 16 + 17)  otal made available for use in Canada (13 - 18)  y used in own plant - Firm   |         | 52,327<br>304,214<br>89,962   | 54,922 317,211 96,326  | 89,222  | 90,495  | 60,076   | 51,056  |  |
| (commercial)         107,033         82,301         87,107         86,481         87,251         85,025           (commercial)         34,502         32,446         32,598         30,983         28,412         27,744           34,502         68,907         65,744         61,554         55,577         50,450         47,480           47,480         1,997         2,015         1,977         1,939         1,984           (2)         1,004         188,266         191,025         181,951         174,510         168,148           1,004         18,88,80         24,138         22,591         27,005         15,068           1,004         2,20         2,20         2,134         1,969         1,749         1,816           1,040         2,20         2,20         2,20         2,349         396,528         398,150         349,085   | Secondary  |         | 4,856   | 3,588  | 3,494   | 2,690   | 3,546  | 92,809<br>4,157<br>96,966   |  |
| 34,502 32,446 32,598 30,983 28,412 27,744 65,744 61,554 55,577 50,450 47,480 47,480 11,956 11,956 11,977 11,977 11,979 11,984 11,984 12,54 125 11,004 18,880 24,138 22,134 17,971 12,005 15,068 15,005 10,004 18,880 24,138 22,134 17,979 17,815 18,160 168,148 17,979 17,815 18,180 17,015 11,904 18,180 17,015 11,904 18,180 17,015 11,904 18,180 17,015 11,904 18,180 17,015 11,91 | er - Firm  |         | 82,301  | 87,107   | 86,481  | 87,251  | 85,025   | 82,858  |  |
| ultimate customers (23 + 24 + 25 + 1,956   | central control commenced in the control of the con |         | 32,446  | 32,598   | 30,983  | 28,412  | 27,744   | 7,042<br>26,646<br>43,452   |  |
| (2)     217,813     188,266     191,025     181,951     174,510     168,148       -1,004     -1,004     2,136     24,138     22,591     27,005     15,068       -n-respondents     2,440     2,250     2,134     1,969     1,749     1,816       -n-respondents     352,976     356,541     372,133     390,528     398,150     349,085  | eet lighting   |         | 1,997   | 2,015  | 1,977   | 1,939   | 1,984  | 1,972   |  |
| energy (18 + 22 + 29 + 30 + 31) 352,976 356,541 372,133 390,528 398,150 349,085  | 26 + 27 + 28) .coated energy(2) .coated energy(2)  |         | 188,266<br>18,880   | 191,025  | 181,951   | 174,510   | 168,148  | 162,770   |  |
|  | energy (18 + 2   |         | 2,250   | 2,134  | 1,969   | 1,749   | 1,816  | 1,579   |  |



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|-----------|---------------------------|--|--|---------------------------------|-----------------------------|---|--|--|---|---|--------------------------|
| 1967      |                           | 1,237,989<br>1,814,868<br>3,052,857<br>54,919<br>532,295<br>587,214<br>1,292,908<br>2,347,163<br>3,640,071   | 220,653  | 227,899<br>3,867,970            |                             | 99,266<br>215,823<br>117,868  | 432,957<br>3,435,013<br>1,111,664<br>36,657<br>1,148,321 | 941,882<br>87,637<br>330,922<br>588,326                            | 21,590  | 1,970,357<br>285,551<br>30,784<br>3,867,970 |                          |
| 1968      |                           | 1,523,081<br>2,077,933<br>3,601,014<br>50,323<br>536,124<br>586,447<br>1,573,404<br>2,614,057<br>4,187,461   | 160,065  | 183,415                         |                             | 28,659<br>237,503<br>306,538<br>81,854  | 654,554<br>3,716,322<br>1,176,844<br>43,798<br>1,220,642 | 1,055,255<br>87,623<br>367,329<br>654,631                          | 24,091  | 2,188,929<br>282,862<br>23,889<br>4,370,876 |                          |
| December  |                           | 112,123<br>222,749<br>334,872<br>3,019<br>47,492<br>50,511<br>115,142<br>270,241<br>385,383  | 26,159   | 32,949<br>418,332               |                             | 14,509<br>23,191<br>33,762<br>2,498   | 73,960<br>344,372<br>123,140<br>2,137<br>125,277         | 94,683<br>8,363<br>36,307<br>62,939                                | 2,012   | 204,304<br>12,348<br>2,443<br>418,332       |                          |
| November  | thousand kwh.             | 69,207<br>214,441<br>283,648<br>3,164<br>49,513<br>52,677<br>72,371<br>263,954<br>336,325  | 36,106   | 39,209                          |                             | 14,150<br>2,835<br>25,883<br>3,433  | 46,301<br>329,233<br>95,494<br>3,273<br>98,767           | 93,595<br>8,887<br>33,615<br>57,390                                | 1,977   | 195,464<br>32,829<br>2,173<br>375,534       |                          |
| October   |                           | 53,257<br>219,045<br>272,302<br>3,209<br>50,098<br>53,307<br>56,466<br>269,143<br>325,609  | 30,947   | 35,804<br>361,413               |                             | 4,475<br>27,717<br>5,413  | 37,605<br>323,808<br>98,801<br>4,639<br>103,440          | 92,907<br>8,682<br>29,060<br>50,713                                | 2,142   | 183,504<br>34,709<br>2,155<br>361,413       |                          |
| September |                           | 27,740<br>226,431<br>254,171<br>1,594<br>36,63<br>38,057<br>29,334<br>262,894<br>292,228   | 31,872 2,109   | 33,981<br>326,209               |                             | 2,798<br>23,015<br>6,420  | 32,233<br>293,976<br>85,598<br>2,134<br>87,732           | 83.918<br>7,378<br>27,029<br>46,372                                | 2,083   | 166,780<br>37,976<br>1,488<br>326,209       |                          |
| August    |                           | 36,047<br>242,982<br>279,029<br>2,325<br>42,692<br>45,017<br>38,372<br>288,674<br>324,046  | 3,119  | 329,617                         |                             | 2,301<br>24,012<br>5,805  | 32,118<br>297,499<br>104,977<br>6,100<br>111,077         | 72,096<br>8,221<br>27,987<br>44,053                                | 2,037   | 154,394<br>30,335<br>1,693<br>329,617       |                          |
|           | Supply of electric energy | Net generation: Utilities - Hydro Thermal Totals (1 + 2) Industry - Hydro Thermal Totals (4 + 5) Grand total - Hydro (1 + 4) Total net generation (7 + 8) Energy received from other provinces and imported; | Received from other provinces Imported from United States Total received from other provinces and imported | Total supply of energy (9 + 12) | Disposal of electric energy | Exported to other provinces and exported: Delivered to other provinces - Firm  Exported to United States - Firm  Secondary  Total delivered to other provinces and exported |  | Fower Firm Secondary General Service (commercial) Domestic Farm(1) | Total sales to ultimate customers (23 + 24 + 25 + 26 + 27 + 28) | - i o                                       | See footnotes on page 4. |
| -         |                           | 087004317  |  |                                 |                             |   |  |  |   |   | 4                        |



Supply and Disposal of Electric Energy - Continued Quebec 1968

| July     |                           | 3,543,879<br>196,645<br>3,740,524<br>1,218,57<br>28,490<br>1,247,247<br>4,762,636<br>225,135<br>4,987,771<br>24,076<br>24,151<br>5,011,922   | 320,097<br>61,544<br>887<br>1,508<br>384,036<br>4,627,886                  | 1,768,724<br>1,505,749<br>1,768,724<br>38,847<br>335,587<br>699,441<br>30,914<br>2,873,513<br>199,828<br>48,796<br>5,011,922   |
|----------|---------------------------|--|--|--|
| June     |                           | 3,629,348<br>103,281<br>3,732,629<br>1,124,501<br>29,268<br>1,153,769<br>4,753,849<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35,549<br>1,35 | 304,272<br>53,830<br>1,318<br>65<br>359,485<br>4,553,042                   | 1,452,292<br>1,760,944<br>46,840<br>347,854<br>806,235<br>30,802<br>2,992,675<br>58,376<br>50,407<br>4,913,235   |
| May      |                           | 3,915,343<br>62,802<br>3,978,145<br>1,195,395<br>1,222,780<br>5,110,738<br>90,187<br>5,200,925<br>29,478<br>29,478<br>29,555<br>5,230,480  | 334,806<br>72,541<br>1,152<br>408,499<br>4,821,981<br>1,489,905            | 1,506,663<br>1,765,344<br>64,021<br>356,452<br>884,713<br>35,560<br>3,106,090<br>156,311<br>52,917<br>5,836,480  |
| April    | thousand kwh.             | 3,866,896<br>125,627<br>3,992,523<br>1,238,330<br>24,528<br>1,62,858<br>5,105,226<br>150,155<br>5,255,381<br>16,902<br>16,998<br>5,272,379   | 316,935<br>137,609<br>1,419<br>51<br>4,816,365<br>4,433,678                | 27,134<br>1,460,812<br>82,876<br>82,876<br>1,001,004<br>33,341<br>3,248,543<br>48,396<br>5,272,379   |
| March    |                           | 3,871,880<br>362,050<br>4,233,930<br>1,337,744<br>27,593<br>1,365,337<br>5,209,624<br>389,643<br>5,599,267<br>18,971<br>18,971<br>19,068<br>5,618,335  | 322,926<br>99,585<br>1,246<br>3,214<br>426,971<br>5,191,368<br>1,450,332   | 20,197<br>1,470,529<br>1,788,324<br>54,229<br>392,027<br>1,010,029<br>32,724<br>3,277,333<br>379,194<br>64,308<br>5,618,335  |
| February |                           | 3,868,016 296,813 4,164,829 1,399,626 1,427,722 5,267,642 324,909 5,592,551 20,114 20,114 20,233 5,612,784   | 309,802<br>121,793<br>1,539<br>2,550<br>- 13,694<br>5,177,090<br>1,363,571 | 110,691<br>1,474,262<br>1,757,198<br>54,095<br>398,303<br>1,142,097<br>33,778<br>33,778<br>5,885,471<br>68,900<br>5,612,784  |
| January  |                           | 4,195,445 291,862 291,862 1,509,260 1,536,600 5,704,705 319,202 6,023,907 16,389 6,040,296   | 333,677<br>150,468<br>3,685<br>3,447<br>489,327<br>5,550,969               | 144, 196<br>1, 822, 456<br>51,510<br>397,674<br>1,036,543<br>32,766<br>3,334,949<br>594,661<br>77,009<br>6,040,296   |
|          | Supply of electric energy | Net generation: Utilities - Hydro Thermal Totals (1+2) Industry - Hydro Thermal Totals (4+5) Grand total - Hydro (1+4) Total net generation (7+8) Energy received from other provinces and imported: Received from other provinces Imported from United States Total received from other provinces (10+11) Total supply of energy (9+12)   |  | Total used in own plant (20 + 21)  Sales te altimate customers: Power - Firm Secondary General service (commer.lat) Domestic Farm(1) Street lighting Total sales to ultimate customers (23 + 24 + 25 + 28) Unallocated energy(2) Distribution by non-respondents Total disposal of energy (18 + 22 + 29 + 30 + 31) |
| No       |                           | 10<br>10<br>11<br>13   | 16<br>16<br>17<br>18<br>19<br>20<br>20                                     | 22 22 22 23 33 33 33 33 33 33 33 33 33 3   |



| 1967        |               |                           | 45,890,665<br>47,014,159<br>16,814,159<br>16,811,772<br>62,378,245<br>16,378,245<br>1,476,686<br>63,825,931<br>219,922<br>1,005<br>1,005<br>64,046,858  |  | 3,873,964<br>1,423,995<br>15,420<br>10,158  | 5,323,537<br>58,723,321<br>17,943,748<br>955,174<br>18,898,922   | 20,450,255<br>1,011,138<br>3,462,374<br>9,650,137 | 337,384         | 34,911,288<br>4,277,135<br>635,976<br>64,046,858  |
|-------------|---------------|---------------------------|---|--|---|--|---|-----------------|---|
| 1968        |               |                           | 45,931,465<br>3,140,251<br>49,071,716<br>15,645,716<br>329,210<br>15,974,684<br>61,576,939<br>3,684<br>65,046,400<br>308,101<br>1,119<br>309,220  |  | 3,671,148<br>1,190,188<br>16,034<br>20,559  | 4,897,929<br>60,457,691<br>17,754,544<br>494,313<br>18,248,857   | 21,390,944<br>723,693<br>4,502,861<br>10,338,295  | 399,674         | 37,355,467<br>4,138,079<br>715,288<br>65,355,620  |
| December    |               |                           | 4,270,177<br>360,633<br>4,560,810<br>1,353,204<br>24,105<br>1,377,309<br>5,623,381<br>6,008,119<br>50,619<br>50,619   |  | 271,619<br>91,532<br>i,656<br>1,089   | 365,896<br>5,692,965<br>1,589,163<br>6,535<br>1,595,698  | 1,840,957<br>67,491<br>462,575<br>902,984         | 35,865          | 3,309,872<br>718,278<br>69,117<br>6,058,861   |
| November    | thousand kwh. |                           | 3,896,917<br>4,265,589<br>4,265,506<br>1,370,134<br>27,620<br>1,397,754<br>3,267,051<br>393,209<br>5,660,260<br>26,241<br>26,342  |  | 263,061<br>108,993<br>1,423<br>2,296  | 375,773<br>5,310,829<br>1,517,947<br>37,829<br>1,555,776   | 1,817,199<br>74,419<br>434,849<br>803,025         | 35,116          | 3,164,608<br>520,698<br>69,747<br>5,686,602   |
| October     |               |                           | 3,726,565<br>4,128,683<br>1,306,272<br>1,334,449<br>5,032,837<br>430,295<br>5,463,132<br>31,036<br>84<br>31,120<br>5,494,252  | and the second s | 274,382<br>102,239<br>1,346<br>1,450  | 379,417<br>5,114,835<br>1,556,484<br>19,850  | 1,788,675<br>65,245<br>384,307<br>722,266         | 33,297          | 2,993,790<br>489,897<br>54,814<br>5,494,252   |
| September 0 |               |                           | 3,509,301<br>3,832,373<br>1,339,149<br>1,366,304<br>4,848,450<br>356,227<br>5,198,677<br>26,899<br>26,899   |  | 285,530<br>108,303<br>1,22,   | 396,925<br>4,828,729<br>i,498,205<br>71,552  | 1,789,864<br>79,123<br>365,469<br>676,513         | 33,092          | 2,944,061<br>263,149<br>51,762<br>5,225,654   |
| August      |               |                           | 3,637,698<br>249,759<br>3,887,457<br>1,253,102<br>29,453<br>1,282,555<br>4,890,890<br>279,212<br>5,170,012<br>20,734<br>20,734<br>20,734<br>5,190,820   |  | 334,041<br>81,751<br>1,139<br>2,961   | 419,892<br>4,770,928<br>1,514,096<br>22,539<br>1,536,635   | 1,744,972<br>44,997<br>242,729<br>659,445         | 32,419          | 2,724,562<br>460,834<br>48,897<br>5,190,820   |
|             |               | Supply of electric energy | Net generation: Utilities - Hydro Itelia - Hydro Industry - Hydro Industry - Hydro Industry - Hydro Thermal Totals (4 + 5) Grand total - Hydro (1 + 4) Intermal (2 + 5) Total net generation (7 + 8) Energy received from other provinces and imported Imported from other provinces Imported from United States Iotal received from other provinces Into (10 + 11) Istal supply of energy (9 + 12) | Disposal of electric energy  | Energy delivered to other provinces and exported: Delivered to other provinces - Firm  Exported to United States - Firm  Secondary  Total delivered to other provinces and exported | Interpolation and the second s |   | Street lighting | Unallocated energy(2) Distribution by non-respondent.  Total disposal of energy 18 + 22 + 29 + 30 + 31)  footnotes on page 4. |
| No.         |               |                           | 1110 988765:3321  |  | 14<br>15<br>16<br>17<br>18  |  | 23<br>24<br>25<br>26<br>27                        | 28              | 30<br>31<br>32<br>See f   |



Supply and Disposal of Electric Energy - Continued

Ontario 1968

|  | January   | reordary   | March  | April  | Мау  | June   | July  |  |
|--|---|--|--|--|--|--|---|--|
|  | _   |  |  | thousand kwh.  |  |  |   |  |
| Supply of electric energy  |   |  |  |  |  |  |   |  |
| Net generation: Utilities - Hydro  Thermal  Totals (1 + 2)  Industry - Hydro  Thermal  Totals (4 + 5)  Grand total - Hydro (1 + 4)  Total net generation (7 + 8)                           | 3,136,163<br>1,713,035<br>4,849,198<br>139,863<br>115,970<br>255,833<br>3,276,026<br>1,829,005<br>5,105,031 | 2,926,923<br>1,592,183<br>4,519,106<br>128,127<br>116,728<br>244,855<br>3,055,050<br>1,708,911<br>4,63,961 | 3,061,613<br>1,461,644<br>4,523,257<br>144,600<br>121,631<br>2,66,231<br>3,266,231<br>1,533,275<br>4,789,488 | 3,338,860<br>923,791<br>4,262,651<br>128,674<br>106,539<br>235,213<br>3,467,534<br>1,030,330 | 3,171,974<br>1,123,501<br>4,295,475<br>1,00,48<br>110,725<br>251,373<br>3,312,622<br>1,334,226 | 3,035,684<br>1,015,554<br>4,051,238<br>133,513<br>100,708<br>234,221<br>3,169,197<br>1,116,262 | 3,173,772<br>902,080<br>4,075,852<br>134,783<br>102,752<br>237,535<br>3,308,555 |  |
| Energy received from other provinces and imported: Received from other provinces Imported from United States Total received from other province  | 496,647 259,023   | 444,513<br>284,518   | 436,064  | 463,210  | 410,511  | 357,244  | 4,313,38/<br>379,810<br>108,546   |  |
| Total supply of energy (9 + 12)  | 755,670   | 729,031  | 710,204 5,499,692  | 611,224  | 581,524  | 507,070  | 488,356<br>4,801,743  |  |
| Disposal of electric energy  |   |  |  |  |  |  |   |  |
| Energy delivered to other provinces and exported: Delivered to other provinces - Firm Secondary Exported to United States - Firm Secondary Total delivered to other provinces and exported | 7,827<br>34,509<br>237,332  | 12,527<br>32,393<br>209,044  | 12,386<br>34,786<br>201,849  | 10,865<br>34,109<br>223,327  | 21,111<br>35,385<br>187,689  | 21,365<br>34,341<br>101,632  | 27,268<br>35,206<br>118,317   |  |
| (14 + 15 + 16 + 17)  Total made available for use in Canada (13 - 18)  Energy used in own plant - Firm  Secondary  Total used in own plant (20 + 21)  Sales to ultimate customers.         | 279,668<br>5,581,033<br>546,184<br>7,269<br>553,453   | 253,964<br>5,239,028<br>537,651<br>5,847<br>543,498  | 249,021<br>5,250,671<br>568,818<br>7,195<br>576,013  | 268,301<br>4,840,787<br>558,305<br>7,722<br>566,027  | 244,185<br>4,884,187<br>588,756<br>2,985<br>591,741  | 157,338<br>4,635,191<br>562,839<br>818<br>563,657  | 180,791<br>4,620,952<br>563,114<br>1,783<br>564,897                             |  |
|  | 1,907,568<br>42<br>610,097<br>1,310,075   | 1,915,838<br>39<br>605,731<br>1,332,229  | 1,962,443  | 1,926,056<br>30<br>559,789<br>1,247,493  | 1,898,042<br>1,838<br>539,281<br>1,117,729   | 1,852,218<br>956<br>552,476<br>969,554   | 1,867,517<br>3,716<br>536,340<br>950,291  |  |
| • •—! 00   | 30,591  | 30,603   | 30,984   | 29,766   | 29,229   | 28,911   | 32,046  |  |
| 26 + 27 + 28) Unallocated energy(2) Distribution by non-respondents Total disposal of energy (18 + 22 + 29 + 30 + 31)  | 3,858,373<br>584,596<br>584,611<br>5,860,701  | 3,884,440<br>495,705<br>315,385<br>5,492,992   | 3,851,542<br>349,603<br>473,513<br>5,499,692   | 3,763,134<br>103,551<br>408,075<br>5,109,088   | 3,586,119<br>298,971<br>407,356  | 3,404,115 175,803 491,616  | 3,389,910<br>303,546<br>362,599   |  |



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| No.   | August                      | September   | October  | November  | December  | 1968  | 1967  |
|---|-----------------------------|---|--|---|---|---|---|
|   |                             |   |  | thousand kwh.   |   |   |   |
| Supply of electric energy   |                             |   |  |   |   |   |   |
| Net generation:  Utilities - Hydro  Thermal  I outilities - Hydro  Thermal  I lotals (1 + 2)  I ludustry - Hydro  Thermal  Corand total - Hydro (1 + 4) |                             | 2,811,743<br>1,288,446<br>4,100,189<br>110,751<br>95,056<br>205,807 | 3,049,652<br>1,556,125<br>4,605,777<br>141,271<br>110,866<br>252,137 | 2,968,440<br>1,769,111<br>4,737,551<br>115,491<br>115,491 | 3,081,193<br>2,101,779<br>5,182,972<br>116,546<br>263,478 | 36,707,488<br>16,660,890<br>53,368,378<br>1,631,223<br>1,530,833<br>2,952,058 | 35,984,365<br>13,078,372<br>49,062,737<br>1,688,978<br>1,261,966<br>2,920,944 |
| Thermal (2 + 5)  Total net generation (7 + 8)  Energy receivedfrom other provinces and imported  Received from other provinces                          | 1,321,472                   | 1,383,502   | 3,190,923<br>1,666,991<br>4,857,914                                  | 3,109,699<br>1,884,602<br>4,994,301                       | 3,228,135<br>2,218,315<br>5,446,450                       | 38,338,711<br>17,981,723<br>56,320,434  | .,,,,   |
| Total received from other few mores and imported in 11,11,11,111,111  | 118,957                     | 240,008   | 244,726  | 369,928   | 360,379   | 4,888,186   | 5,460,598   |
| 13 Total supply of energy (9 + 12)  | 532,900                     | 621,408   | 5,477,157  | 681,398   | 659,318   | 7,497,340<br>63,817,780   | 7,976,863   |
| Disposal of electric energy   |                             | - 1:40 Management   |  |   |   |   |   |
| Energy delivered to other provinces and exported: Delivered to other provinces - Firm   | 1                           | 1   | WWW.Walliam districts  |   | C L   |   |   |
| Exported to Unites States - Firm  | 29,843<br>35,489<br>155,816 | 49,649<br>33,952<br>174,454   | 32,143<br>35,242<br>202,193  | 27,541<br>34,328<br>167,815                               | 37,365  | 289,890   | 594<br>150,532<br>400,074   |
| local delivered to other provinces and exported (14 + 15 + 16 + 17)   | 221,148                     | 258,055   | 269,578  | 229,684   | 207, 286  | 2 819 019   | 2,702,233   |
| Energy used in own plant - Firm   | 4,725,487                   | 4,669,349   | 5,207,579  | 5,446,015   | 5,898,482   | 60,998,761  | 56,707,111  |
| Total used in own plant (20 + 21) Sales to ultimate customers.  | 1,463                       | 1,409   | 3,902  | 5,650   | 7,444   | 53,487  | 108,263   |
|   | 1,864,741                   | 1,951,017   | 2,042,925  | 2,060,487   | 2,132,590   | 23,381,442  | 21,444,607  |
| General service (commercial) Domestic   | 548,551                     | 581,591   | 579,110  | 607,038   | 10,267  | 53,259  | 6,275,905   |
| 28 Street lighting. 29 Total sales to ultimate customers (23 + 24 + 25 +  | 30,565                      | 31,727  | 32,140   | 33,025  | 34,   | 373,739   | 12,434,424  |
| 26 - 27 + 28)   | 3,351,099                   | 3,443,492   | 3,790,369  | 3,764,643   | 3,948,500   | 44,035,736  | 40,563,149  |
| Unstribution by non-respondents  Total disposal of energy (18 + 22 + 29 + 30 + 31)  | 4,946,635                   | 411,781   | 5,477,157  | 5.675,699   | 569,099   | 5,378,159   | 4,343,202<br>5,229,453  |
| See footnotes on page 4.  |                             |   |  |   | , , , , ,   | 03,01/,/80  | 59,960,544  |



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\$5.00 A YEAR

Franklin Month

Catalogue No. 57-002 Vol. 4, No. 57



September 22, 1969

Page

- 1. Crude Petroleum and Natural Gas Production April 1969; Catalogue No. 26-006 ......
- 2. Oil Pipe Line Transport, June 1969; Catalogue No. 55-001 ......

### 1. Crude Petroleum and Natural Gas Production April 1969; Catalogue No. 26-006

According to preliminary data the production of crude petroleum and equivalent hydrocarbons during April 1969 amounted to 34,501,580 barrels (1,150,053 parrels per day) an increase of 7.8 per cent or 82,835 barrels per day from April 1968.

Natural gas preliminary figures in April 1969 indicate an increase of 20.5 per cent to 185,430,000 Mcf. from 153,928,416 Mcf. in April 1968.

## 2. Oil Pipe Line Transport, June 1969; Catalogue No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during June increased 11.9 per cent to 1,728,400 B/D from 1,544,500 B/D for the same period of the preceding year; domestic oils **mounted to** 1,365,100 B/D (up 7.5 per cent) and imported oils were 363,300 B/D (up 32.1 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 10.2 per cent to 1,713,400 B/D from 1,554,600 B/D ast year. Included in the month's deliveries were 1,169,800 B/D to domestic points (up 5.3 per cent) and 543,600 B/D for export (up 22.5 per cent).



For the six-month period, net receipts of all commodities were 1,788,900 B/D, an increase of 6.3 per cent over the same period of 1968; deliveries rose 6.3 per cent, to 1,782,400 B/D. The imports by pipeline for the period increased to 374,500 B/D while the exports of the same commodities rose to 539,500 B/D, an increase of 2.1 per cent and 22.3 per cent, respectively.

Total traffic for June amounted to 23,970 million barrel miles with an average length of haul of 466.3 miles.

Oil held by Canadian pipe line systems totalled 25,069,984 barrels by the end of June. Inventories of crude oil and equivalent increased by 624,068 barrels, while inventories held in Canada and the United States increased by 608,849 barrels.

Oil Pipe Line Supply and Disposition

| And the state of t | June 1  | 1.969  |   | Year to da   | ate 1969   |
|--|---|--|---|--|--|
| Crude<br>oil and<br>equiva-<br>lent  | Refined petroleum products and L.P.G.'S.        | Total<br>Volume  | % change from June 1968                             | Total<br>Volume  | % change from previous year  |
|  | '0  | 00 barrel  | s per da  | У  |  |
|  |   |  |   |  |  |
| 1,168.7<br>359.6   |   |  |   |  |  |
| 1,528.3  | 200.1   | 1,728.4  | + 11.9  | 1,788.9  | + 6,3  |
|  |   |  |   |  |  |
| 973.6<br><b>5</b> 34.4   |   |  |   |  |  |
| 1,508.0  | 205.4   | 1,713.4  | + 10.2  | 1,782.4  | + 6.3  |
| 608,849  | - 170,016                                       | 438,833  | 600   | 1,006,894  | 00   |
|  | oil and equiva-<br>lent  1,168.7 359.6  1,528.3 | Crude oil and equivalent Refined petroleum products and L.P.G.'S.  1,168.7 196.4 3.7  1,528.3 200.1  973.6 29.2  1,508.0 205.4 | Total   Petroleum   Total   Volume   Total   Volume | Crude oil and equivalent lent Refined petroleum products and L.P.G.'S. Total Volume 1968  '000 barrels per date from June 1968  '000 barrels per date from June 1968  1,168.7 359.6 3.7 363.3 + 32.1  1,528.3 200.1 1,728.4 + 11.9  973.6 534.4 9.2 1,169.8 + 5.3 543.6 + 22.5  1,508.0 205.4 1,713.4 + 10.2 | Crude oil and equivalent   Refined petroleum products and L.P.G.'S.   Total Volume   Total from June 1968   Total Volume   1968   Total Volume   1968   Total Volume 1 |



|  | New<br>Brunswick   | Ontario | Manitoba   | Saskat-<br>chewan  | Alberta                            | British<br>Columbia  | Northwest<br>Territories  | Total<br>Canadian<br>sources        | Total<br>Foreign<br>sources | Total<br>all<br>sources  |
|--|--|---------|--|--|------------------------------------|--|---|-------------------------------------|-----------------------------|--|
| Supply   |  |         |  | Transfer of the state of the st | barrels of 35                      | Canadian   | gallons   |                                     |                             |  |
| Domestic production Crude oil Synthetic crude oil Less returned to formation | 657  | 105,615 | 496,065  | 6,791,864  | 22,298,392<br>484,581<br>1,100,384 | 2,048,718  | 52,401  | 31,794,312 484,581 1,116,547        | :::                         | 31,794,312<br>484,581<br>1.116,547   |
| Totals   | 657  | 105,615 | 496,065  | 6,791,864  | 21,683,189                         | 2,048,718  | 36,238  | 31,162,346                          |                             | 31.162.346   |
| Condensate   | 1 1  | . 1     | , ,  | 26,533   | 68,951                             | 5,915  | A second | 7+,866                              |                             | 74,866   |
| Net withdrawals  | 657  | 105,615 | 496,065  | 6,818,397  | 24,917,973                         | 2,126,635  | 36,238  | 34,501,580                          |                             |  |
| Imports  | The second secon | 0 0     | *  |  |                                    |  |   |                                     | 14, 398,807                 | 14,398,807   |
| Total supply   | 657  | 105,615 | 496,065  | 6,818,397  | 24,917,973                         | 2,126,635  | 36,238  | 34,501,580                          | 14.398.807                  | 48.900.387   |
| Disposition  |  |         |  | of the   |                                    | The control of the co |   | 1                                   |                             | The state of the s |
| Deliveries to refineries Atlantic Provinces Ouebec                           | (  | å       | ı  | ı  | ſ                                  | 6  | i   | ı                                   | -                           | 3,843,513  |
| Ontario  | 1 1  | 105,615 | 213,650  | 3,910,725  | 5,268,320                          | 4 1  | ' '   | 018.310                             | 10,550,389                  | 10,550,389   |
| Saskatchewan   | 1 7  | 1 1     | 15,987   | 770,724  | 508,711                            | ţ i  | ı   | 1,295,422                           | i F                         | 1,295,422  |
| British Columbia   | 1 1  | 1 1     | 1 1  |  | 2,714,984                          | 1.477.533  | 4 1 2   | 2,714,984                           | 1 1                         | 1,054,985<br>2,714,984   |
| NOT CHARGE TELETICOTIES  | 4  |         | the state of the s | 1  |                                    |  | 985,65  | 59,486                              | 1 1                         | 59,486   |
| Totals   |  | 105,615 | 229,637  | 4,815,091  | 11,040,033                         | 1,477,533  | 59,486  | 17,727,395                          | 14,393,902                  | 32,121,297   |
| Exports to U.S.A. Petroleum Administration District I                        | 1  | 1       | 1  | 950 /21  | 0 110 0 00                         |  |   |                                     |                             |  |
| II<br>V<br>V   | 8 \$   | 2 1     | 239,828  | 1,738,221  | 4,593,310<br>1,028,367             | 4 1 1  | . 1 1   | 2,285,308<br>6,571,359<br>1,028,367 | 1 1 1                       | 2,285,308<br>6,571,359<br>1,028,367  |
| Totals   | 1  |         | 739 878  | 1 013 171  | 5,613,097                          | 574,887  |   | 6,187,984                           | -                           | 6,187,984  |
| Inventories  |  |         |  | 197179111  | 701,040,01                         | 1/4,00/  |   | 10,0/3,018                          | 1                           | 16,073,018   |
| 1  | 3,803  | , 1     | 69,989   | 420,000  | 1,645,841                          | - 44,714   | 92,856  | 2,190,775                           |                             | 2,190,775  |
| Closing - Field and plant Transporters'                                      | 3,136  |         | 73,503   | 5.250.413  | 1,701,380                          | - 18,144<br>- 18,144   | 72,608  | 2,258,483                           | 359,835                     | 33,711,985 2,258,483   |
| Net change   | - 667  | 4       | 24,566   | 85,135   | 547,516                            | 137,528  | - 23,248  | 770.830                             | 1                           | 770 830  |
| Deliveries to other purchasers   | 1,346  | 1       | 2  | ,  | - 4.821                            | 571  |   | 0 2 2 2                             |                             |  |
| Field and plant use  | 1 (  | 1       | ś  | 1 000  | 17,061                             | 1  | 1 1   | 17,061                              | 1 1                         | 17,061   |
| Losses and adjustments   | - 22   |         | 2,034  | 0000,0   | - 91,524                           | - 63,458   | 1 1   | 69,576 -                            | 4.905                       | 69,576 - 148,065   |
| Total disposition  | 657  | 105,615 | 496,065  | 6,818,397  | 24,917,973                         | 2,126,635  | 36,238  | 34,501,580                          | 14,398,807                  | 48,900,387   |
| Figures not appropriate or not applicable.                                   | pplicable.   |         |  |  |                                    |  |   |                                     | -                           |  |





ABLE 2. Supply and Disposition of Natural Gas by Source, Canada, April 1969

|          |  | New<br>Brunswick | Quebec | Ontario            | Saskato |
|----------|--|------------------|--------|--------------------|---------|
| 0.       |  |                  | Mc     | f.                 |         |
|          | A. FIELD AND PROCESSING PLANTS                       |                  |        |                    |         |
|          | Supply   |                  |        |                    |         |
| 1 2      | Cross new production Less field flared and waste     | 8,903            | 11,680 | 1,033,390          | 5       |
| 3        | Net new production (1 - 2)                           | 8,903            | 11,680 | 1,033,390          | 4.      |
| 4 5      | Reproduced Less injected and stored                  | -                | -      | -                  |         |
| 6        | Net withdrawals                                      | 8,903            | 11,680 | 1,033,390          | 4       |
|          |  |                  |        |                    |         |
|          | Disposition  |                  |        |                    |         |
| 7 8 9    | Field disposition and uses                           | 248              | -      | -                  |         |
| 9a       | Processing shrinkage                                 | -                | _      | -                  |         |
| 9b       | Other uses   | -                | -      | -                  |         |
| 1 2      | Adjustment Deliveries of marketable gas              | 8,655            | 11,680 | 1,033,390          | 3       |
| . 2      |  |                  |        |                    |         |
| . 3      | Total disposition                                    | 8,903            | 11,680 | 1,033,390          | 4       |
|          | B. GAS UTILITIES                                     |                  |        |                    |         |
|          | Supply   |                  |        |                    |         |
| 4        | Receipts of marketable gas                           |                  |        |                    |         |
| .4a      | Plants   | 8,655            | 11,680 | 525,641<br>507,749 | 1       |
| .5       | Total (14a + 14b)                                    | 8,655            | 11,680 | 1,033,390          | 3       |
|          |  | 0,000            | 11,000 |                    | -       |
| .6<br>.7 | Receipts from distributor storage                    | -                | -      | 1,033,862          |         |
| .7a      | Other receipts(i)                                    | -                | -      | -                  |         |
| .8       | Total supply of marketable gas (15 + 16 + 17 + 17a)  | 8,655            | 11,680 | 2,067,252          | 3       |
|          | Disposition  |                  |        |                    |         |
|          | Sales  |                  |        |                    |         |
| 19       | British Columbia                                     |                  |        | _                  |         |
| 20       | Alberta  | -                | -      | -                  |         |
| 21       | Saskatchewan   | -                |        | -                  | 4       |
| 23       | Ontario  | -                | 11 690 | 2,746,179          |         |
| 24<br>25 | Quebec   | 6,660            | 11,680 | -                  |         |
| 26       | Total sales (19 to 25 inclusive)                     | 6,660            | 11,680 | 2,746,179          | 4       |
| 27       | Exports  | -                | -      | **                 |         |
| 28<br>29 | Other deliveries(2) Delivered to distributor storage | -                | -      | -                  | 1       |
| 30<br>31 | Pipeline line pack fluctuation                       | 1 005            | -      | 40.793             |         |
| 32       | Pipeline fuel  | 1,995            |        | 49,782             | - 2     |

8,655

11,680

2,067,252

33

Total disposition of marketable gas (26 to 32 inclusive) ......

(1) L.P.G. for gas enrichment, peak shaving or temporary supply. (2) Direct deliveries for industrial consumption and miscellaneo

BLE 2. Supply and Disposition of Natural Gas by Source, Canada, April 1969

| British<br>Columbia                                      | Northwest<br>Territories  | Total<br>Canadian<br>sources   | Total<br>Foreign<br>sources               | Total<br>all<br>sources   |   |
|--|---|--|---|---|---|
|  | Mcf.  | ,  |   |   | No.   |
| 28,280,395   | 47,832  | 191,953,141  |   | 191 953 1/1   | 1   |
| 910,630  | 44,174  | 6,523,141  | • • •                                     | 6,523,141   | 2   |
| 27,369,765   | 3,658   | 185,430,000  |   | 185,430,000   | 3   |
| 742,975  | -   | 19,911,065   | * * * *                                   | 19,911,065  | 4 5   |
| 26,626,790   | 3,658   | 165,518,935  |   | 165,518,935   | 6   |
| 1,308,082  | -   | 2,179,687<br>- 224,558   | •••                                       | 2,179,687<br>- 224,558  | 7 8   |
| 524,241<br>3,023,171<br>-<br>- 316,932<br>22,088,228     | 3,658   | 10,222,394<br>248,043<br>- 1,045,016   | • • •                                     | 20,232,794<br>10,222,394<br>248,043<br>- 1,045,016                                    | 9a<br>9b<br>10<br>11  |
| 26,626,790   | 3,658   |  |   |   | 13  |
| 21,613,668<br>474,560                                    | -   | 112,815,611<br>21,089,980  |   | 112,815,611<br>21,089,980   | 14a<br>14b  |
| 22,088,228   | -   | 133,905,591  |   | 133,905,591   | 15  |
| 79   |   | 1,118,968  | 4,254,464                                 | 1,118,968<br>4,254,464<br>122,631   | 16<br>17<br>17a   |
| 22,088,307   | -   | 135,147,190  | 4,254,464                                 | 139,401,654   | 18  |
|  |   |  |   |   |   |
| 7,171,147  |   | 8,379,768<br>18,605,205<br>7,335,825<br>4,595,162<br>28,915,831<br>4,234,498<br>6,660  | 8,003<br>-<br>4,246,965                   | 8,379,768<br>18,613,208<br>7,335,825<br>4,595,162<br>33,162,796<br>4,234,498<br>6,660 | 19<br>20<br>21<br>22<br>23<br>24<br>25  |
| 7,171,147  | -   | 72,072,949   | 4,254,968                                 | 76,327,917  | 26  |
| 13,346,204<br>-<br>-<br>- 28,316<br>1,494,544<br>104,728 | -<br>-<br>-<br>-<br>-   | 55,914,920<br>384,612<br>8,325,838<br>624,227<br>7,132,805<br>- 9,308,161  | -<br>-<br>-<br>-<br>-<br>504              | 55,914,920<br>384,612<br>8,325,838<br>624,227<br>7,132,805                            | 27<br>28<br>29<br>30<br>31<br>32  |
| 22,088,307   | -   | 135,147,190  | 4,254,464                                 | 139,401,654   | 33  |
|  | 28,280,395 910,630 27,369,765 742,975 26,626,790  1,308,082 - 524,241 3,023,171 - 316,932 22,088,228 26,626,790  21,613,668 474,560 22,088,228 - 79 22,088,307  7,171,147 13,346,204 28,316 1,494,544 104,728 | Columbia Territories  Mcf.  28,280,395 47,832 910,630 44,174  27,369,765 3,658  742,975 -  26,626,790 3,658  1,308,082 -  524,241 3,023,171 -  316,332 22,088,228 -  26,626,790 3,658  21,613,668 -  474,560 -  22,088,228 -  7,171,147 -  7,171,147 -  13,346,204 -  - 28,316 1,494,544 104,728 - | Columbia   Territories   Canadian sources | Columbia   Territories   Canadian sources   Sources                                   | Columbia   Territories   Canadian   Foreign   Sources   Sources |



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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 58



ENERGY

September 23, 1969

# 1. Sales of Natural Gas July 1969, Catalogue No. 55-002

Total sales of Natural gas to Canadian consumers for July were 44,234,862 Mcf. This was an increase of 8.5% over the same month last year. Revenue from sales was \$23,959,082.

Sales for the first seven months of 1969 were 519,261,650 Mcf. an increase of 11.5% over the first seven months of last year. Exports continued to rise over the same period amounting to 381,815,087 Mcf., an increase of 11.4% while imports were 23,361,921 Mcf., which was a decrease of 57.5%.

Domestic revenues were up 7.5%, while export revenues were up 10.3%.

# 2. Crude Petroleum and Natural Gas Production, May 1969, Catalogue No. 26-006

According to preliminary data, the production of crude petroleum and equivalent hydrocarbons during May 1969 amounted to 33,043,570 barrels (1,065,922 barrels per day) an increase of 3.4 per cent or 34,846 barrels per day from May 1968

Natural gas production preliminary figures in May 1969 indicate an increase of 14.6 per cent to 166,685,543 Mcf. from 145,467,567 Mcf. in May 1968.



Sales of Natural Gas, July 1969

|  | Custome   | ers  |  |  |
|--|---|--|--|--|
|  | Space heating   | Total  | Gas sold   | Revenue  |
|  | No.   |  | Mcf.   | \$   |
| New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                               | 130<br>104,273<br>571,059<br>106,925<br>119,042<br>262,351<br>201,383<br>1,365,163(1) | 1,699<br>206,102<br>706,140(1)<br>109,197<br>121,451<br>264,015<br>203,205(1)<br>1,611,809 | 2,290<br>345,634<br>2,228,861(1)<br>432,224<br>579,194<br>1,548,003<br>546,145(1)<br>5,682,351                             | 8,103<br>995,858<br>3,148,538(1)<br>491,131<br>700,679<br>1,239,248<br>762,021(1)<br>7,345,578                       |
|  |   | ,,   | 3,002,331  | 7,343,376  |
| Ommerc1al  New Brunswick  Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                   |   | 70<br>10,417<br>65,687(1)<br>10,500<br>16,766<br>29,738<br>26,610(1)<br>159,788            | 1,397<br>253,698<br>2,184,020(1)<br>324,358<br>309,234<br>1,533,496<br>637,827(1)<br>5,244,030                             | 3,158<br>331,750<br>2,010,417(1)<br>243,625<br>229,122<br>658,124<br>601,171(1)<br>4,077,367                         |
| ndustrial  New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada Firm Interruptible |   | 2,089<br>8,197(1)<br>302<br>594<br>887<br>344(1)<br>12,413<br>11,828<br>585                | 2,773,234<br>13,857,782(1)<br>1,331,656<br>2,884,549<br>9,363,624<br>3,097,636(1)<br>33,308,481<br>26,025,657<br>7,282,824 | 1,272,746<br>7,153,493(1)<br>388,068<br>822,571<br>1,674,111<br>1,225,148(1)<br>12,536,137<br>9,744,412<br>2,791,725 |
| New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                               |   | 1,769<br>218,608<br>780,024(1)<br>119,999<br>138,811<br>294,640<br>230,159(1)<br>1,784,010 | 3,687<br>3,372,566<br>18,270,663(1)<br>2,088,238<br>3,772,977<br>12,445,123<br>4,281,608(1)<br>44,234,862                  | 11,261<br>2,600,354<br>12,312,448(1)<br>1,122,824<br>1,752,372<br>3,571,483<br>2,588,340(1)<br>23,959,082            |
| al exports   | •   |  | 51,847,472   | 14,100,803   |
| al imports   |   |  | 1,813,892  | 857,429  |



| 6961        |
|-------------|
| May         |
| Canada,     |
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| TABLE       |

| 1                            | 6.99   | 6            | 74                  | 0               | 10         | 0            | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  | l m        | 1 80.52   | -          | 1   | 1          | 1   | 1 1               |
|------------------------------|--|--------------|---------------------|-----------------|------------|--------------|--|------------|---|------------|---|------------|---|-------------------|
| Total<br>all<br>sources      | 29, 806, 229<br>462, 746<br>369, 826   | 29, 899, 149 | 92,744              | 33,043,570      | 12,465,210 | 45,508,780   | 3,449,377<br>9,014,120<br>8,618,947<br>991,393<br>1,769,356<br>3,337,566<br>3,498,299<br>77,010  | 30,756,068 | 1,922,586<br>6,529,810<br>927,916<br>6,077,527              | 15,457,839 | 2,258,483<br>34,415,107<br>2,348,909<br>33,816,711  | - 507,970  | - 1,985<br>9,628<br>65,550<br>- 270,350   | 45,508,780        |
| Total<br>Foreign<br>sources  |  |              |                     |                 | 12,465,210 | 12,465,210   | 3,449,377  | 12,463,497 | 1 7 4 5   |            | 359,835   |            |   | 12,465,210        |
| Total<br>Canadian<br>sources | 29,806,229<br>462,746<br>369,826   | 29, 899, 149 | 92,744              | 33,043,570      | 2 4 6      | 33,043,570   | 8,618,947<br>991,393<br>1,769,356<br>3,337,566<br>3,498,299<br>77,010  | 18,292,571 | 1,922,586<br>6,529,810<br>927,916<br>6,077,527              | 15,457,839 | 2,258,483<br>34,055,272<br>2,348,909<br>33,456,876  | . 507,970  | - 1,985<br>9,628<br>65,550<br>- 272,063   | 33,043,570        |
| Nor thwest<br>Territories    | 29,245<br>345  | 28,900       | \$ a                | 28,900          |            | 28,900       | 77,010   | 77,010     | 6 8 8 9   | e          | 72,608  | - 48,110   | 8 8 8   | 28,900            |
| British<br>Columbia          | Canadian gallons 2,117,459   | 2,117,459    | 5,839               | 2, 196, 201     |            | 2,196,201    | 1,978,209  | 1,978,209  | 300,006   | 300,006    | - 18,144<br>1,364,817<br>- 12,639<br>1,320,013  | - 39,299   | 150   | 2,196,201         |
| Alberta                      | Darrels of 35<br>19,847,795<br>462,746<br>369,481                                    | 19,941,060   | 58,387<br>2,978,774 | 22,978,221      | •          | 22,978,221   | 4,182,211<br>464,256<br>1,610,592<br>3,337,566<br>1,520,090  | 11,114,715 | 1,815,515<br>4,114,364<br>927,916<br>5,777,521              | 12,635,316 | 1,701,380<br>27,386,034<br>1,817,724<br>26,659,575  | - 610,115  | - 3,101<br>9,628<br>61,544<br>- 229,766   | 22,978,221        |
| Saskat-<br>chewan            | 7,183,434  | 7,183,434    | 28,518              | 7,211,952       | •          | 7,211,952    | 4,105,937<br>511,003<br>1.58,764   | 4,775,704  | 2,214,914   | 2,321,985  | 426,000<br>5,250,413<br>446,000<br>5,340,676  | 110,263    | 4,000   | 7,211,952         |
| Manitoba                     | 519,808  | 519,808      | 1 1                 | 519,808         | •          | 519,808      | 223,132<br>16,134  | 239, 266   | 200,532   | 200,532    | 73,503<br>54,008<br>70,242<br>136,612   | 79,343     |   | 519,808           |
| Ontario                      | 107,667  | 107,667      | 2 4                 | 107,667         |            | 107,667      | 107,667  | 107,667    | 1 1 1 1   | 1          | 1 1 1 1   | ı          | f 1 f 1   | 107,667           |
| New<br>Brunswick             | 821  | 821          | 1 1                 | 821             | :          | 821          |  | 1          |   | 8          | 3,136<br>3,084  | - 52       | 996   | 821               |
|                              | Supply  Domestic production Grude oil Synthetic crude oil Less returned to formation | Totals       | Condensate          | Net withdrawals | Imports    | Total supply | Disposition  Deliveries to refineries Atlantic Provinces Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Northwest Territories | Totals     | Exports to U.S.A. Petroleum Administration District I II IV | Totals     | Inventories Opening - Field and plant Transporters' Closing - Field and plant Transporters' | Net change | Deliveries to other purchasers Pipeline fuel Field and plant use Losses and adjustments | Total disposition |





TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, May, 1969

|          |   | New<br>Brunswick | Quebec | Ontario            | Saskatchewan         |
|----------|---|------------------|--------|--------------------|----------------------|
| 0.       |   |                  | Mcf.   |                    |                      |
|          | A, FIELD AND PROCESSING PLANTS  | 999              |        |                    |                      |
|          | Supply  |                  |        |                    |                      |
| 1        | Gross new production  | 8,616            | 9,183  | 876,919            | 5,167,618            |
| 2        | Less field flared and waste   | -                | -      |                    | 858,340              |
| 3        | Net new production (1 - 2)  | 8,616            | 9,183  | 876,919            | 4,309,278            |
| 4        | Reproduced  | -                | -      | -                  | -                    |
| 5        | Less injected and stored  |                  | 0.193  | 876,919            | 4,309,270            |
| 6        | Net withdrawals   | 8,616            | 9,183  | 870,919            | 4,307,270            |
|          | Disposition   |                  |        |                    |                      |
| 7        | Field disposition and uses  | 209              | -      | -                  | 308,32<br>89,41      |
| 9        | Gathering system disposition and uses  Processing plant disposition and uses: | -                | **     | -                  | Ť                    |
| 9a       | Processing shrinkage  | 40               | -      | -                  | 171,28<br>198,31     |
| 9Ъ<br>0  | Other uses  | -                | -      |                    | 94,48                |
| 2        | Adjustment  | 8,407            | 9,183  | 876,919            | 3,447,45             |
| 3        | Total disposition   | 8,616            | 9,183  | 876,919            | 4,309,27             |
|          |   |                  |        |                    |                      |
|          | B. GAS UTILITIES  | and protect the  |        |                    |                      |
|          | Supply  |                  |        |                    |                      |
| 4        | Receipts of marketable gas  |                  |        |                    |                      |
| 4a<br>4b | PlantsFields  | 8,407            | 9,183  | 543,732<br>333,187 | 1,682,71<br>1,764,73 |
| .5       | Total (14a + 14b)   | 8,407            | 9,183  | 876,919            | 3,447,45             |
| 6        | Receipts from distributor storage   | -                | -      | 3,315,953          | 23,22                |
| 7        | Imports   | -                | -      | -                  | -                    |
| 7a       | Other receipts(1)   | -                | -      | -                  | -                    |
| 8        | Total supply of marketable gas (15 + 16 + 17 + 17a)                           | 8,407            | 9,183  | 4,192,872          | 3,470,68             |
|          |   |                  |        |                    |                      |
|          | Disposition   |                  |        |                    |                      |
|          | Sales   |                  |        |                    |                      |
| 9        | British Columbia  | -                | •      | 00                 | -                    |
| 0        | Alberta   | -                | -      | -                  | 3,205,28             |
| 2        | Manitoba  | -                | -      | -                  | -                    |
| 3        | Ontario   | -                | 0.700  | 4,504,414          |                      |
| 5        | Quebec  | 4,617            | 9,183  | -                  |                      |
| 6        | Total sales (19 to 25 inclusive)  | 4,617            | 9,183  | 4,504,414          | 3,205,28             |
| 7        | Exports   | -                | -      | -                  | _                    |
| 8        | Other deliveries(2)   | -                | -      | -                  |                      |
| 29       | Delivered to distributor storage  |                  | -      | -                  | 935,88               |
| 30<br>31 | Pipeline line pack fluctuation  | -                |        | 33,879             | 156,13               |
| 32       | Pipeline losses etc.  | 3,790            |        | - 345,421          | - 834,15             |
| 33       | Total disposition of marketable gas (26 to 32 inclusive)                      | 8,407            | 9,183  | 4,192,872          | 3,470,68             |

L.P.G. for gas enrichment, peak shaving or temporary supply.
 Direct deliveries for industrial consumption and miscellaneous utility deliveries.

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, May 1969

| Alberta   | British<br>Columbia  | Northwest<br>Territories | Total<br>Canadian<br>sources  | Total<br>Foreign<br>sources                              | Total<br>all<br>sources   |
|---|--|--------------------------|---|--|---|
|   |  | Mcf.                     |   |  |   |
| 141,791,463<br>4,192,209  | <b>24,856,</b> 706<br>977,552  | 33,644<br>30,505         | 172,744,149<br>6,058,606  |  | 172,744,14<br>6,058,60  |
| 137,599,254   | 23,879,154   | 3,139                    | 166,685,543   |  | 166,685,54  |
| 20,527,819  | 670,506  | -                        | 21,198,325  |  | 21,198,32   |
| 117,071,435   | 23, 208, 648   | 3,139                    | 145,487,218   |  | 145,487,21  |
| 590,918<br>- 289,617<br>18,298,900<br>5,924,614<br>119,481<br>- 27,396<br>92,454,535                                      | 608,499<br>-<br>439,838<br>3,576,732<br>-<br>1,453,142<br>20,036,721 | 3,139                    | 1,507,952<br>- 200,202<br>18,910,022<br>9,699,658<br>217,107<br>- 1,480,538<br>116,833,219  |  | 1,507,95; - 200,202 18,910,022 9,699,656 217,103; - 1,480,538 116,833,215   |
| 117,071,435   | 23,208,643   | 3,139                    | 145,487,218   |  | 145,487,218   |
| 77,989,185<br>14,465,350<br>92,454,535  | 19,941,740<br>94,981<br>20,036,721                                   | -                        | 100,157,372<br>16,675,847<br>116,833,219  |  | 100,157,372<br>16,675,847<br>116,833,219  |
| 25,902<br>9,040   | - 48   | -                        | 3,365,083   | 4,101,579  | 3,365,083<br>4,101,579<br>9,088   |
| 92,489,477  | 20,036,769   | -                        | 120,207,390   | 4,101,579  | 124,308,969   |
| 731,417 14,740,603 2,110,442 3,079,045 17,947,702 4,142,035 - 42,751,244 41,777,427 291,506 4,681,565 - 137,053 3,720,661 | 5,379,162<br>  | -                        | 6,110,579 14,740,603 5,315,729 3,079,045 22,452,116 4,151,218 4,617  55,853,907  55,640,367 291,506 5,617,447 - 124,837 4,947,209 | 5,180<br>-<br>-<br>4,096,451<br>-<br>-<br>-<br>4,101,631 | 6,110,579 14,745,783 5,315,729 3,079,045 26,548,567 4,151,218 4,617 59,955,538 55,640,367 291,506 5,617,447 - 124,837 4,947,209 |
|   | - 246,546  | _                        | - 2,018,209   | - 52   | - 2,018,261   |



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1. Preliminary(1) Report on Coal Production, August 1969 J. 10

Preliminary data indicate that coal production for the month of August 1969 amounted to 547,364 tons, a decrease of 19.9% from the August 1968 preliminary production figure of 683,592 tons. Landed imports were 1,628,634 tons compared with 2,749,664 tons for the same period last year.

(1) Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.



# Production and Landed Imports of Coal, by Provinces

|  | T  |   |  |   |
|--|--|---|--|---|
|  | 1968   | 3   | 196  | 9   |
|  | Production(2)  | Landed(1) imports   | Production(2)  | Landed(1) imports   |
|  | r  | net tons of 2,  | 000 pounds   |   |
| August  Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous                    | 165,966<br>67,527<br>-<br>-<br>114,573<br>64,876<br>181,065                    | 17,787<br>209<br>119,102<br>2,612,249<br>154<br>163               | 92,082<br>48,023<br>-<br>-<br>84,794<br>64,038<br>166,595                      | 51,223<br>306<br>126,634<br>1,450,187<br>156<br>88                |
| British Columbia and Yukon   | 89,585   | •   | 91,832   | 40  |
| Canada totals  | 683,592  | 2,749,664   | 547,364  | 1,628,634   |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 2,077,013<br>498,612<br>-<br>-<br>1,485,924<br>622,373<br>1,769,350<br>622,583 | 5,874<br>331,772<br>705<br>437,689<br>9,292,799<br>1,369<br>1,683 | 1,848,889<br>412,200<br>-<br>-<br>1,174,325<br>759,167<br>1,898,423<br>609,830 | 3,508<br>404,217<br>701<br>497,168<br>9,792,421<br>4,226<br>1,153 |
| Canada totals  | 7,075,855  | 10,072,098  | 6,702,834  | 10,703,815  |
| (1) Supplied by the Dominion Co  | -1 D - 1 1   |   |  |   |

<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.



# 2. Coal and Coke Statistics, July 1969, Cat. No. 45-002

Coal production for the month of July 1969 amounted to 659,645 tons a decrease of 11.2% from the July 1968 production of 742,563 tons, while landed imports were 2,184,239 tons compared with 1,253,196 tons for the month of July 1968. Consumption increase of 15,523 tons of coke from last year.

Industrial consumers' stocks of coal and coke increased to 6,022,957 tons from 5,349,994 tons in July 1968.

Coke production during the month of July 1969, decreased slightly to 461,158 tons from 461,344 tons in July 1968, while coke used in blast furnaces decreased to 376,135 tons from 393,615 tons during the same period.

#### Coal and Coke Statistics

#### July 1969

|                            |            |                   | Coal                                    |                                     |  | Co   | oke  |
|----------------------------|------------|-------------------|---|-------------------------------------|--|--|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption by industrial consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons                                |  |  |  |
| Newfoundland               | -          | -                 | -                                       | -                                   | _  | _  | -  |
| Prince Edward Island       | -          | -                 | -                                       | -                                   | -  | -  | -  |
| Nova Scotia                | 221,137    | 24,872            | 238,479                                 | 71,827                              | 21,694                                       | 43,430                                       | -  |
| New Brunswick              | 59,583     | 87                | 62,483                                  | 33,095                              | 48,633                                       | -  | *  |
| Quebec                     |            | 77,260            | -                                       | 86,331                              | 176,252                                      | 64,118                                       | 128,957                                      |
| Ontario                    | -          | 2,081,252         | -                                       | 674,896                             | 5,244,137                                    | 390,388                                      | 100,461                                      |
| Manitoba                   | -          | 562               | -                                       | 19,443                              | 79,995                                       | 89   | 814  |
| Saskatchewan               | 79,703     | 206               | 78,858                                  | 46,728                              | 167,853                                      | -  | -  |
| Alberta                    | 229,238    | -                 | 220,671                                 | 116,568                             | 13,569                                       | 340  | 143  |
| British Columbia and Yukon | 69,984     | -                 | 77,910                                  | 8,964                               | 6,258  | 25,040                                       | 34,191                                       |
| Total Canada 1969          | 659,645    | 2,184,239         | 678,401                                 | 1,057,852                           | 5,758,391                                    | 523,405                                      | 264,566                                      |
| Total Canada 1968          | 742,563    | 1,253,196         | 844,333                                 | 1,121,865                           | 5,084,471                                    | 507,882                                      | 265,523                                      |



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Crude Petroleum and Natural Gas Production Cat. No. 26-006

June 1969

According to preliminary data the production of crude petroleum and equivalent hydrocarbons during June 1969 amounted to 35,424,561 barrels (1,180,819 barrels per day) an increase of 9.9 per cent or 106,247 barrels per day from June 1968.

Preliminary figures of nautral gas production in June 1969, indicate an increase of 6.7 per cent to 149,233,347.Mcf. from 139,892,902 Mcf. in June 1968.



|   | New<br>Brunswick | Ontario | Manitoba                     | Saskat-<br>chewan                 | Alberta  | British<br>Columbia                | Northwest<br>Territories | Total<br>Canadian<br>sources                   | Total<br>Foreign<br>sources | Total<br>all<br>sources               |
|---|------------------|---------|------------------------------|-----------------------------------|--|------------------------------------|--------------------------|--|-----------------------------|---------------------------------------|
| Supply  |                  |         |                              |                                   | barrels of 35                                  | Canadian                           | gallons                  |  |                             |                                       |
| Crude oil Synthetic crude oil Less returned to formation    | 825              | 106,204 | 509,338                      | 7,432,175                         | 21,863,784<br>1,083,513<br>480,440             | 1,966,169                          | 89,212                   | 31,967,707<br>1,083,513<br>484,648             | :::                         | 31,967,707<br>1,083,513<br>484,648    |
| Totals  | 825              | 106,204 | 509,338                      | 7,432,175                         | 22,466,857                                     | 1,966,169                          | 85,004                   | 32,566,572                                     |                             | 32,566,572                            |
| Condensate  | 8 8              | f 1     | 0 g                          | 32,550                            | 49,494   | 4,603                              | , ,                      | 54,097   | ::                          | 54,097                                |
| Net withdrawals   | 825              | 106,204 | 509,338                      | 7,464,725                         | 25,230,811                                     | 2,027,654                          | 85,004                   | 35,424,561                                     | :                           | 35,424,561                            |
| Imports   | :                | :       |                              | ·                                 | :  | ÷                                  |                          | :  | 15,480,748                  | 15,480,748                            |
| Total supply  | 825              | 106,204 | 509,338                      | 7,464,725                         | 25,230,811                                     | 2,027,654                          | 85,004                   | 35,424,561                                     | 15,480,748                  | 50,905,309                            |
| Disposition   |                  |         |                              |                                   |  |                                    |                          |  |                             |                                       |
| Deliveries to refineries Atlantic Provinces Quebec          | , ,              |         | 1 1                          | 1 1                               | g 2  |                                    | P 1                      | 1  |                             | 4,551,648                             |
| Ontario<br>Manitoba   | 1 1              | 106,204 | 454,828                      | 4,041,223                         | 4,782,102                                      | 1 1                                | 1 8                      | 9,384,357                                      | 84,925                      | 10,840,827<br>9,469,282<br>1,116,713  |
| Alberta   |                  | 1 8 8   |                              | 214,424                           | 2,022,171<br>3,394,619<br>1,156,078            | 1,422,951                          | 1 1 1                    | 2,236,595<br>3,394,619<br>2,579,029            | 7 1 1                       | 2,236,595<br>3,394,619<br>2,579,029   |
| Nor thwest lefficories                                      | 1                |         | 1                            | 1                                 | 1  | ,                                  | 71,530                   | 71,530   |                             | 71,530                                |
| Totals  | •                | 106,204 | 470,280                      | 4,919,888                         | 11,791,990                                     | 1,422,951                          | 71,530                   | 18,782,843                                     | 15,477,400                  | 34,260,243                            |
| Exports to U.S.A. Petroleum Administration District I II IV | # 1 F +          | 1 1 1 1 | 39,389                       | 2,399,579                         | 1,809,640<br>4,136,341<br>919,028<br>6,148,121 | 482,991                            | 1 1 1                    | 1,920,952<br>6,575,309<br>919,028<br>6,631,112 | 1 1 1                       | 1,920,952 6,575,309 919,028 6,631,112 |
| Totals  |                  | -       | 39,389                       | 2,510,891                         | 13,013,130                                     | 482,991                            | 1                        | 16,046,401                                     | 1                           | 16,046,401                            |
| Opening - Field and plant                                   | 3,084            | 1       | 70,242                       | 446,000                           | 1,817,724                                      | - 12,639                           | 24,498                   | 2,348,909                                      |                             | 2,348,909                             |
| Closing - Field and plant  Transporters'                    | 3,060            | 1 1 1   | 136,612<br>73,150<br>133,748 | 5,340,676<br>466,000<br>5,350,422 | 26,659,575<br>1,840,413<br>27,095,567          | 1,320,013<br>- 45,114<br>1,485,988 | 37,972                   | 33,456,876<br>2,375,481<br>34,065,725          | 359,835                     | 33,816,711<br>2,375,481<br>34,425,560 |
| Net change  | - 24             | 1       | 747                          | 29,746                            | 458,681  | 133,500                            | 13,474                   | 635,421  | 1                           | 635,421                               |
| Deliveries to other purchasers                              | 814              | I (     |                              | 1                                 | - 2,527  | 340                                | 8                        | - 1,373  | 4                           | - 1,373                               |
| Field and plant use   | 35               | 1 1     | - 375                        | 4,200                             | 60,963   | - 12,128                           | 1 1 1                    | 65,163<br>- 123,660                            | 3,348                       | 65,163<br>- 120,312                   |
| Total disposition   | 825              | 106,204 | 509,338                      | 7,464,725                         | 25,230,811                                     | 2,027,654                          | 85,004                   | 35,424,561                                     | 15,480,748                  | 50,905,309                            |
| Figures not appropriate or not applicable,                  | oplicable.       |         |                              |                                   |  |                                    |                          |  |                             |                                       |

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, June 1969

|          |  | New<br>Brunswick | Quebec | Ontario            | Saskatchewan  |
|----------|--|------------------|--------|--------------------|---------------|
| 0.       |  |                  | Mcf    | •                  |               |
|          | A. FIELD AND PROCESSING PLANTS   | 1                | 1      | 1                  |               |
|          | Supply   |                  |        |                    |               |
| 1        | Gross new production   | 7,450            | 8,396  | 747,314            | 4,949,66      |
| 2        | Less field flared and waste  | -                | -      | -                  | 917,0         |
| 3        | Net new production (1 - 2)   | 7,450            | 8,396  | 747,314            | 4,032,6       |
| 4        | Reproduced   | -                | -      | -                  |               |
| 5        | Less injected and stored   | 7,450            | 8,396  | 747,314            | 4,032,6       |
| 0        | THE WIELDS AND THE STATE OF THE |                  |        |                    |               |
|          | Disposition  |                  |        |                    |               |
| 7        | Field disposition and uses   | 167              | -      | -                  | 306,3<br>50,0 |
| 9<br>9a  | Processing plant disposition and uses: Processing shrinkage  | -                | -      | -                  | 248,9         |
| 9b       | Other disposition and uses   | -                | -      | -                  | 171,0         |
| 0        | Other usesAdjustment   | 7 000            | - 200  | 7/7 21/            | 3,171,7       |
| 2        | Deliveries of marketable gas   | 7,283            | 8,396  | 747,314            |               |
| 3        | Total disposition  | 7,450            | 8,396  | 747,314            | 4,032,6       |
|          | B. GAS UTILITIES   |                  |        |                    |               |
|          | Supply   |                  |        |                    |               |
| 4        | Receipts of marketable gas   |                  |        | E15 620            | 1,787,2       |
| 4a<br>4b | Plants   | 7,283            | 8,396  | 515,620<br>231,694 | 1,384,5       |
| 5        | Total (14a + 14b)  | 7,283            | 8,396  | 747,314            | 3,171,7       |
| 6        | Receipts from distributor storage  | -                | -      | 1,807,683          |               |
| 7<br>7a  | Imports Other receipts(1)  | _<br>            | -      | -                  |               |
|          |  |                  |        |                    |               |
| .8       | Total supply of marketable gas (15 + 16 + 17 + 17a)  | 7,283            | 8,396  | 2,554,997          | 3,171,        |
|          |  |                  |        |                    |               |
|          | Disposition  |                  |        |                    |               |
|          | Sales  |                  |        |                    |               |
| .9       | British Columbia   | -                | -      | -                  |               |
| 0        | Alberta  | -                | -      | -                  | 1,242,5       |
| 2        | Saskatchewan   | _                | _      | -                  | 1,2-0,-       |
| 3        | Ontario  | -                | -      | 2,917,405          |               |
| 4        | Quebec   | - ( (02          | 8,396  | -                  |               |
| 5        | New Brunswick  | 4,492            | -      | -                  | 1 0/0         |
| 6        | Total sales (19 to 25 inclusive)   | 4,492            | 8,396  | 2,917,405          | 1,242,        |
| .7<br>.8 | Other deliveries(2)  |                  | -      | -                  |               |
| 29       | Other deliveries(2) Delivered to distributor storage   |                  |        |                    | 710,          |
| 30       | Pipeline line pack fluctuation   | _                | _      | -                  | 134,3         |
| 31       | Pipeline fuel  | -                | -      | 29,309             | 460,3         |
| 32       | Pipeline losses etc.   | 2,791            | -      | - 391,717          | 624,3         |
|          | Total disposition of marketable gas (26 to   |                  |        |                    |               |

<sup>(1)</sup> L.P.G. for gas enrichment, peak shaving or temporary supply.
(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, June 1969

| Alberta  | British<br>Columbia                                 | Northwest<br>Territories | Total<br>Canadian<br>sources   | Total<br>Foreign<br>sources  | Total<br>all<br>sources                                   |                            |
|--|---|--------------------------|--|------------------------------|---|----------------------------|
|  |   | Mcf.                     |  |                              |   | No.                        |
|  |   |                          |  |                              |   |                            |
| 128,378,227<br>4,743,083   | 21,727,807<br>927,929                               | 68,584<br>66,063         | 155,887,443<br>6,654,096   | • • •                        | 155,887,443<br>6,654,096                                  |                            |
| 123,635,144  | 20,799,878  | 2,521                    | 149,233,347  |                              | 149,233,347   | 3                          |
| 19,356,692   | 694,787   | -                        | 20,051,479   | •••                          | 20,051,479  | 4 5                        |
| 104, 278, 452  | 20,105,091  | 2,521                    | 129,181,868  | • • •                        | 129,181,868   | 6                          |
| 508,404<br>- 215,262   | 237,549   | -                        | 1,052,457<br>- 165,213   |                              | 1,052,457<br>- 165,213                                    | 7 8                        |
| 16,881,994<br>5,884,101<br>77,948  | 381,803<br>3,351,295                                | 2,521                    | 17,512,723<br>9,406,403<br>165,010                                     | • • •                        | 17,512,723<br>9,406,403                                   | 9a<br>9b                   |
| - 286,539<br>81,427,806  | - 662,221<br>16,796,665                             | -                        | - 948,760<br>102,159,248   | • • •                        | 165,010<br>- 948,760<br>102,159,248                       | 11                         |
| 104, 278, 452  | 20,105,091  | 2,521                    | 129,181,868  |                              | 129, 181, 868   | 13                         |
| 68,983,103<br>12,444,703   | 16,450,273<br>346,392                               | -                        | 87,736,271<br>14,422,977   |                              | 87,736,271<br>14,422,977                                  | 14a<br>14b                 |
| 81,427,806   | 16,796,665  | -                        | 102,159,248  |                              | 102,159,248   | 15                         |
| 19,185   | 38  |                          | 1,826,868  | 3,169,159                    | 1,826,868<br>3,169,159<br>13,265                          | 16<br>17<br>17a            |
| 81,460,218   | 16,796,703  | -                        | 103,999,381  | 3,169,159                    | 107,168,540   | 18                         |
|  |   |                          |  |                              |   |                            |
| 354,123<br>12,494,307<br>3,469,277<br>2,369,237<br>15,878,490<br>3,501,088 | 4,302,646   |                          | 4,656,769 12,494,307 4,711,829 2,369,237 18,795,895 3,509,484 4,492    | 4,079<br>-<br>3,165,217<br>- | 4,711,829<br>2,369,237                                    | 20<br>21<br>22<br>23<br>24 |
| 38,066,522   | 4,302,646   |                          | 46,542,013   | 3,169,296                    |   | 26                         |
| 38,175,771<br>86,240<br>2,885,094<br>657,356<br>2,542,331<br>- 953,096     | 12,221,476<br>-<br>-<br>18,724<br>211,588<br>42,269 | -                        | 50,397,247<br>86,240<br>3,595,229<br>810,472<br>3,243,608<br>- 675,428 | -<br>-<br>-<br>-<br>-<br>137 | 50,397,247<br>86,240<br>3,595,229<br>810,472<br>3,243,608 | 29<br>30                   |
| 81,460,218   | 16,796,703  | -                        | 103,999,381  | 3,169,159                    | 107,168,540   | 33                         |



ENERGY STATISTICS

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September 30, 1969

Page

- 1. Refined Petroleum Products, July 1969 ...... 1
- 2. Oil Pipe Line Transport, July 1969, Cat. No. 55-001 4

### 1. Refined Petroleum Products

Preliminary production of refined petroleum products increased 7.9% in July to 39,452,726 barrels from 36,569,149 barrels in the same month last year, according to an advance release of data that will be contained in the July issue of the DBS report "Refined Petroleum Products". Catalogue No. 45-004.

Receipts of crude oil increased 6.3% in July to 38,472,172 barrels from 36,204,823 barrels a year earlier. There was 7.3% more domestic crude at 21,273,739 barrels versus 19,826,507 and, 5.0% more imported crude at 17,198,433 barrels versus 16,378,316. Domestic disappearance of finished petroleum products increased 3.7% to 37,174,223 barrels from 35,830,947 in the same month last year.

3.S. Regional Offices — St. Johns • Halifax • Montreal • Toronto • Winnipeg • Edmonton • Vancouver



NET SALES In Canada Of Selected Petroleum Products, July 1969P

|  | Motor      | Korosono   |            | Fuel oil      |  |                    | Total all           | l products                      |
|--|------------|------------|------------|---------------|--|--------------------|---------------------|---------------------------------|
|  | gasoline   | stove oil  | Diesel     | Light         | Heavy  | Total all products | Cumulative<br>1969P | Cumulative<br>1968 <sup>r</sup> |
|  |            |            |            | barrels of 35 | Canadian gallons   | suo                |                     |                                 |
| Newfoundland                               | 301,964    | 46,543     | 235,206    | 66,594        | 286,854  | 1,008,768          | 7,400,577           | 6,868,671                       |
| Maritimes                                  | 1,265,334  | 86,022     | 329,244    | 183,216       | 930,298  | 3,054,092          | 24,811,712          | 24,753,126                      |
| Quebec                                     | 3,982,572  | 66,728     | 891,543    | 623,804       | 3,115,196  | 10,482,559         | 84,601,646          | 79,914,789                      |
| Ontario                                    | 5,484,116  | 54,819     | 912,386    | 603,717       | 1,808,073  | 11,066,059         | 89,115,400          | 86,437,789                      |
| Manitoba                                   | 746,683    | 19,100     | 282,040    | 29,387        | 36,902   | 1,391,280          | 9,449,614           | 8,994,689                       |
| Saskatchewan                               | 976,652    | 8,886      | 451,426    | 18,077        | 42,565   | 1,780,680          | 10,618,873          | 10,600,356                      |
| Alberta                                    | 1,523,182  | 9,976      | 589,088    | 19,559        | 70,130   | 2,747,283          | 15,705,089          | 14,734,964                      |
| British Columbia                           | 1,654,896  | 724,64     | 663,807    | 88,524        | 497,227  | 3,623,737          | 26,932,762          | 24,895,815                      |
| North West Territories and Yukon           | 30,650     | 2,809      | 85,596     | 20,750        | 25,444   | 217,602            | 933,529             | 665,993                         |
| Canada totals                              | 15,966,049 | 344,357    | 4,440,336  | 1,653,628     | 6,812,689  | 35,372,060         | 5                   | **                              |
| Canada cumulative 1969                     | 88,263,958 | 10,518,216 | 25,715,647 | 57,369,515    | 57,158,339   | ,                  | 269,569,202         |                                 |
|  | 84,677,183 | 11,081,353 | 23,621,279 | 56,503,960    | 53,091,500   | t                  | f                   | 257,866,192                     |
| r Preliminary figures.<br>Revised figures. |            |            |            |               | The state of the s |                    |                     |                                 |



Refinery Production In Canada Of Selected Petroleum Products, July 1969P

|  | X<br>5            | 11                    |            | Fuel oil      |                  |                       | Total all           | products                        |
|--|-------------------|-----------------------|------------|---------------|------------------|-----------------------|---------------------|---------------------------------|
|  | Motor<br>gasoline | Kerosene<br>stove oil | Diesel     | Light         | Heavy            | Total all<br>products | Cumulative<br>1969P | Cumulative<br>1968 <sup>r</sup> |
|  |                   |                       |            | barrels of 35 | Canadian gallons | ons                   |                     |                                 |
| Newfoundland   | (1)               | - (1)                 | t          | (1)           | (1)              | (1)                   | (1)                 | (1)                             |
| Maritimes  | 1,250,527         | 227,214               | (2)        | 688,045       | 891,830          | 4,047,380             | 27,117,331          | 21,944,106                      |
| Quebec   | 3,839,447         | 362,339               | 1,613,173  | 2,653,078     | 3,015,734        | 13,346,128            | 80,238,308          | 78,434,779                      |
| Ontario  | 4,361,571         | 484,465               | 1,016,601  | 2,014,856     | 1,689,887        | 11,463,523            | 71,533,944          | 71,516,699                      |
| Manitoba   | 551,672           | 39,339                | 317,358    | 9,462         | 94,964           | 1,306,180             | 8,716,503           | 8,950,240                       |
| Saskatchewan   | 986,030           | 133,859               | 511,490    | 126,563       | 164,377          | 2,245,914             | 13,521,027          | 13,232,547                      |
| Alberta  | 1,592,994         | 53,082                | 885,541    | 93,571        | 175,293          | 3,581,610             | 23,153,075          | 21,459,342                      |
| British Columbia   | 1,246,357         | 265,436               | 782,404    | 93,350        | 356,173          | 3,381,633             | 21,577,052          | 23,641,900                      |
| North West Territories and Yukon   | 11,606            | ı                     | 950        | 26,422        | 27,176           | 80,358                | 466,121             | 456,827                         |
| Canada totals  | 13,840,204        | 1,565,734             | 5,127,517  | 5,705,347     | 6,415,434        | 39,452,726            |                     | 1                               |
| Canada cumulative 1969   | 86,325,150        | 11,711,247            | 28,219,501 | 38,916,767    | 44,879,713       | ı                     | 246,323,361         | 6                               |
| (0)  | 84,026,455        | 11,549,868            | 28,582,343 | 37,769,188    | 42,814,092       | ı                     | 1                   | 239,636,440                     |
| (1) Included with Maritimes. (2) Included with Quebec. Preliminary figures. r Revised figures. | es.               |                       |            |               |                  |                       |                     |                                 |



## IMPORTS Into Canada of Selected Petroleum Products, July 1969P

|                                      | Motor                           | Kerosene                    |                             | Fuel oil                      | - Malianay | Total all  |
|--------------------------------------|---------------------------------|-----------------------------|-----------------------------|-------------------------------|------------|--|
|                                      | gasoline                        | stove oil                   | Diesel                      | Light                         | Heavy      | products   |
|                                      |                                 | barre                       | ls of 35 C                  | anadian gal                   | lons       |  |
| Maritimes Quebec Ontario All Other , | 33,594<br>682,270<br>-<br>8,451 | 8,426<br>30,844<br>-<br>442 | 191,563<br>265,712<br>7,907 | 266,712<br>636,558<br>267,227 | 2,187,277  | 1,117,457<br>4,264,364<br>1,238,824<br>591,850   |
| Canada total  P Preliminary figure   | 724,315                         | 39,712                      | 465,182                     | 1,170,497                     | 3,380,164  | And the state of t |

EXPORTS of Selected Petroleum Products, July 1969P

|                  | Motor    | Kerosene  |            | Fuel oil    | aller effektive kinne kommisser kommen var vide efterför, sventrig eftettimmen fremsende, sog | Total all |
|------------------|----------|-----------|------------|-------------|---|-----------|
|                  | gasoline | stove oil | Diesel     | Light       | Heavy   | products  |
|                  |          | barre     | ls of 35 C | anadian gal | lons  |           |
| Maritimes        | -        | _         | -          | _           | des des   | _         |
| Quebec           | 600      | -         | 3,897      | -           | _   | 14,188    |
| Ontario          | -        | 798       | free .     | 69,079      | 29,153  | 134,420   |
| Saskatchewan     |          | -         | _          | -           | -   | 196       |
| Alberta          | /7 001   | -         | -          | -           | 1,614   | 1,614     |
| billish Columbia | 47,991   | -         | 23,463     | 14,522      |   | 103,395   |
| Canada total     | 47,991   | 798       | 27,360     | 83,601      | 30,767  | 253,813   |

Preliminary figures.

### 2. Oil Pipe Line Transport, July 1969, Cat. No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during July increased 8.5 per cent to 1,876,900 B/D from 1,729,400 B/D for the same period of the preceding year; domestic oils amounted to 1,451,200 B/D (up 7.9 per cent) and imported oils were 425,700 B/D (up 10.7 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 7.5 per cent to 1,869,500 B/D from 1,738,500 B/D last year. Included in the month's deliveries were 1,312,700 B/D to domestic points (up 7.8 per cent) and 556,800 B/D for export (up 6.9 per cent).



For the seven-month period, net receipts of all commodities were 1,801,700 B/D an increase of 6.6 per cent over the same period of 1968, deliveries rose 6.5 per cent, to 1,795,100 B/D. The imports by pipeline for the period increased to 381,900 B/D while the exports of the same commodities rose to 542,000 B/D, an increase of 3.4 per cent and 19.7 per cent, respectively.

Total traffic for July amounted to 27,014 million barrel miles with an average length of haul of 466.1 miles.

Oil held by Canadian pipe line systems totalled 25,460,393 barrels by the end of July. Inventories of crude oil and equivalent increased by 435,509 barrels, while inventories held in Canada and the United States increased by 166,091 barrels.

Oil Pipe Line Supply and Disposition

|                            |  | July 1                                   | .969             |                         | Year to da       | ate 1969   |
|----------------------------|--|--|------------------|-------------------------|------------------|--|
| Supply and disposition     | Crude<br>oil and<br>equiva-<br>lent  | Refined petroleum products and L.P.G.'S. | Total<br>volume  | % change from July 1968 | Total<br>volume  | % change from previous year  |
|                            | The control of the state of the | '0                                       | 00 barrel        | s per da                | У                | Commission of the second secon |
| Net receipts               |  |  | ;<br>;           |                         |                  |  |
| Domestic                   | 1,228.4<br>420.6   | 222.8                                    | 1,451.2<br>425.7 | + 7.9<br>+ 10.7         | 1,419.8<br>381.9 | + 7.5<br>+ 3.4   |
| Total net receipts         | 1,649.0  | 227.9                                    | 1,876,9          | ÷ 8.5                   | 1,801.7          | + 6.6  |
| Net deliveries             |  |  |                  | 1                       |                  |  |
| Domestic Exports           | 1,098.5  |  | 1,312.7          | + 7.8 + 6.9             | 1,253.1<br>542.0 | + 1.7 + 19.7   |
| Total net deliveries       | 1,644.9  |  | 1,869.5          | + 7.5                   | 1,795.1          | + 6.5  |
| Inventory change (barrels) | 116,091  | 105,550                                  | 221,641          | date                    | 1,318,535        | -  |



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October 3, 1969

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Oil Pipe Line Transport, Natural Gas Pipe Line Transport and Distribution Companies, Quarterly Financial Statistics, Six Months Ending

June 30, 1968-69

For the six-month period ending June 30, 1969, net income for the oil pipeline companies was \$25.2 million, up 8.2 per cent from the \$23.3 million reported for the same period in 1968. Net income of gas pipeline transport companies increased to \$18.7 million, 8.1 per cent more than the \$17.3 million in the previous year. Net income of privately operated natural gas distribution companies, which account for approximately 80 per cent of all distributors' revenues, was \$41.8 million, up 19.4 per cent from \$35.0 million.

Fixed assets as at June 30, 1969, totalled \$854.5 million for oil pipeline companies (up 6.3 per cent from \$803.6 million), \$1,473.0 million for gas pipeline companies (up 11.9 per cent from \$1,316.5 million), and \$1,272.8 million for gas distribution companies (up 13.1 per cent from \$1,125.1 million).



Preliminary Operating Revenue and Expense Account for Six Months Ending June 30, 1968-69

|   | Oil p:<br>trank | 0il pipeline<br>transport | Natural<br>pipeli<br>transp | atural gas<br>pipeline<br>transport | Natural<br>distribut<br>(privately op | Natural gas<br>distribution<br>(privately operated) |
|---|-----------------|---------------------------|-----------------------------|-------------------------------------|---------------------------------------|---|
|   | 1968            | 1969                      | 1968                        | 1969                                | 1968                                  | 1969  |
|   |                 |                           | millions                    | of dollars                          |                                       |   |
| Total operating revenues                          | 86.5            | 95.4                      | 160.3                       | 182.5                               | 227.3                                 | 270.4   |
| Total operating expenses                          | 21.9            | 23.1                      | 104.8                       | 122.2                               | 142.2                                 | 171.4   |
| Net revenue from operations                       | 9.49            | 72.3                      | 55.5                        | 60,3                                | 85.1                                  | 0.66  |
| Other income and income from affiliated companies | 5.1             | 3.9                       |                             | 2.2                                 | 2.4                                   | 4.7   |
| Other deductions and fixed charges                |                 |                           |                             |                                     |                                       |   |
| Depreciation                                      | 12.9            | 15.8                      | 15.7                        | 17.4                                | 12.7                                  | 13.6  |
| Interest on long term debt                        | 9.2             | 10.1                      | 21.1                        | 22.9                                | 14.5                                  | 18.7  |
| Other   | 0.7             | 0.8                       | 2.8                         | 3.5                                 | 2.3                                   | 4.3   |
| Totals  | 22.8            | 26.7                      | 39.6                        | 43.8                                | 29.5                                  | 36.6  |
| Net income before taxes                           | 6.97            | 49.5                      | 17.3                        | 18.7                                | 58.0                                  | 67.1  |
| Provision for income taxes                        | 23.6            | 24.3                      | ŧ                           | ı                                   | 23.0                                  | 25.3  |
| Net income after taxes                            | 23.3            | 25.2                      | 17.3                        | 18.7                                | 35.0                                  | 41.8  |



Assets, Liabilities and Net Worth as at June 30, 1968-69

|  | Oil pi<br>trans               | -                             | pipe                          | al gas<br>line<br>sport        | distr<br>(pri                   | al gas<br>ibution<br>vately<br>rated) |
|--|-------------------------------|-------------------------------|-------------------------------|--------------------------------|---------------------------------|---------------------------------------|
|  | 1968                          | 1969                          | 1968                          | 1969                           | 1968                            | 1969                                  |
|  |                               |                               | millions                      | of dollars                     |                                 |                                       |
| Assets   |                               |                               | l 1                           |                                | : 1                             |                                       |
|  |                               |                               |                               |                                |                                 |                                       |
| Current assets   |                               |                               |                               |                                |                                 |                                       |
| Cash   | 28.2                          | 17.2                          | 16.0                          | 9.8                            | 4.0                             | 7.9                                   |
| doubtful accounts                                      | 21.8                          | 22.8                          | 28.5                          | 26.7                           | 92.3                            | 106.7                                 |
| Other current assets                                   | 3.3<br>1.9                    | 4.0<br>2.1                    | 6.9<br>2.6                    | 8.1<br>11.2                    | 30.3                            | 28.6                                  |
| Totals ,   | 55.2                          | 46.1                          | 54.0                          | 55.8                           | 130.0                           | 8.8<br>152.0                          |
| Investments  | 58.5                          | 46.2                          | 75.0                          | 79.8                           | 164.8                           | 210.8                                 |
| Fixed assets   | 803.6                         | 854.5                         | 1,316.5                       | 1,473.0                        | 1,125.1                         | 1,272.8                               |
| Less depreciation and amortization Net fixed assets    | 249.9<br>553.7                | 274.2<br>580.3                | 208.8                         | 241.0<br>1,232.0               | 189.8                           | 217.8                                 |
|  | 333,7                         | 500.5                         | 1,10/./                       | 1,232.0                        | 935.3                           | 1,055.0                               |
| Deferred debits  | 4.2                           | 3.9                           | 23.4                          | 23.9                           | 32.4                            | 26.7                                  |
| Total assets   | 671.6                         | 676.5                         | 1,260.1                       | 1,391.5                        | 1,262.5                         | 1,444.5                               |
| Liabilities and Net Worth                              |                               |                               |                               |                                |                                 |                                       |
| Current liabilities                                    |                               |                               |                               |                                |                                 |                                       |
| Short term loans                                       | 9.3<br>46.8                   | 8.2<br>35.9                   | 34.4<br>43.4                  | 53.4<br>45.4                   | 70.3<br>88.1                    | 46.2<br>96.0                          |
| long term debt owned                                   | 22.2                          | 32.1                          | 33.1                          | 32.8                           | 16.0<br>5.6                     | 15.1<br>6.1                           |
| Totals   | 80.0                          | 77.4                          | 110.9                         | 131.6                          | 180.0                           | 163.4                                 |
| Long term debt   | 315.2                         | 311.3                         | 741.3                         | 815.3                          | 523.6                           | 673.1                                 |
|  | 313.2                         | 311.3                         | 741.5                         | 015.5                          | 323.0                           | 0/5.1                                 |
| Deferred credits                                       | 55.1                          | 59.5                          | 6.2                           | 4.1                            | 30.0                            | 38.3                                  |
| Capital stock and surplus                              |                               |                               |                               |                                |                                 |                                       |
| Preferred Common Contributed surplus Retained earnings | 12.6<br>73.2<br>24.7<br>110.8 | 11.0<br>75.0<br>24.7<br>117.6 | 128.6<br>97.2<br>90.9<br>85.0 | 146.9<br>99.8<br>103.5<br>90.3 | 133.9<br>194.6<br>37.8<br>162.6 | 138.0<br>202.8<br>34.4<br>194.5       |
| Totals   | 221.3                         | 228.3                         | 401.7                         | 440.5                          | 528.9                           | 569.7                                 |
| Total liabilities and net worth                        | 671.6                         | 676.5                         | 1,260.1                       | 1,391.5                        | 1,262.5                         | 1,444.5                               |

<sup>(1)</sup> Includes oil and gas inventories and gas stored under ground.



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October 6, 1969.

The crude oil requirements by Canadian refineries is estimated to increase to a total of 1,204 million B/D in 1969: an increase of 6.4% over last year.

Canadian crude requirements for refining are expected to increase by 4.3% from 645,000 B/D in 1968 to 673,000 B/D in 1969, while imported crude requirements for refining are expected to rise by 9.0% from 487,000 B/D in 1968 to 531,000 B/D in 1969.

Forecast new needs of crude oil for refining are expected to amount to 72,000 B/D in 1969, with domestic produced crude sypplying 39% of these new needs (28,000 B/D) and imports 61% (44,000 B/D).

Crude oil exports for the fourth quarter of 1969 are estimated to average 525,000 B/D, an increase of 69,000 over the same period in 1968.



Canadian Crude Oil Requirements

Anticipated and Actual Refinery Receipts of Crude Oil, Condensate and Pentanes Plus

| 1967   1968   Oct.   Nov.   Dec.   Oct.   Nov.   Dec.   Jan.   |                        |         |                   |         |                             |         |       |              |           |         |
|--|------------------------|---------|-------------------|---------|-----------------------------|---------|-------|--------------|-----------|---------|
| 1967   1968   Oct.   Nov.   Dec.   Oct.   Nov.   Dec.      |                        | O       | tual<br>- Dec.    |         | Actual<br>1968 <sup>r</sup> |         |       | Estim<br>196 | ated<br>9 |         |
| 100 barrels per day   100 barrels   100 barrels per day   100 barrels   100 ba   |                        | 1967    | 1968 <sup>r</sup> | Oct.    | Nov.                        | Dec.    | Oct.  | Nov.         | Dec.      | Jan.    |
| Color   Col    |                        |         |                   |         | 000,                        |         | 1     |              |           | Dec.    |
| Second   S   |                        |         |                   |         |                             |         |       |              |           |         |
| Column   C   | By source              |         |                   |         |                             |         |       |              |           |         |
| 1,061.6   1,131.7   1,110.7   1,148.4   1,206.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,29   | Domestic               |         |                   |         |                             |         |       |              |           |         |
| 3.4   3.2   3.2   3.1   3.0   3.0   3.0   3.0   3.0     514.8   644.6   620.3   618.1   689.4   666.2   725.2   739.1     525.2   525.2   525.2     525.2   525.2   525.2   525.2     525.2   525.2   525.2   525.2     525.2   525.2   525.2   525.2     525.2   525.2   525.2     525.2   525.2   525.2     525.2   525.2   525.2     525.2   525.2   525.2     525.2   525.2   525.2     525.2      |                        | 611.4   | 641.4             | 617.1   | 615.0                       | 7,989   | 663.2 |              | 736.1     | 670.4   |
| 100   1,001.6   1,131.7   1,110.7   1,148.4   1,206.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,194.3   1,181.3   1,304.9   1,294.3   1,194.3   1,181.3   1,184.3    |                        | 3.4     | 3.2               | 3.2     | 3.1                         | 3.0     | 3.0   | 3.0          |           | 2.8     |
| 1,061.6   1,131.7   1,148.4   1,206.3   1,181.3   1,304.9   1,294.3   1,181.3   1,061.6   1,131.7   1,110.7   1,148.4   1,206.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,304.9   1,294.3   1,181.3   1,148.8   1,206.3   1,181.3   1,304.9   1,294.3   1,181.3   1,144.2   1,110.7   1,148.4   1,206.3   1,181.3   1,304.9   1,294.3   1,181.3   1,18   | Totals                 | 614.8   | 9.4499            | 620.3   | 618.1                       | 4.689   | 666.2 | 25.          |           | 673.2   |
| 1,061.6   1,131.7   1,110.7   1,148.4   1,206.3   1,181.3   1,304.9   1,294.3   1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,   | Imported               | 8.944   | 487.1             | 7*067   | 530,3                       | 516.9   | 515.1 | 579.7        | 555.2     | 530,8   |
| tion     110.0     109.2     101.0     147.9     123.9     121.9     148.8     139.9       335.6     335.6     376.6     388.3     382.4     393.2     430.9     415.3       311.1     329.2     376.6     388.3     382.4     393.2     430.9     415.3       40.0     42.3     41.8     45.7     43.6     37.9     4415.3       40.0     40.7     44.8     45.7     59.4     54.1     74.3       40.0     60.7     46.7     59.4     54.1     74.3       40.0     60.7     46.7     59.4     54.1     74.3       40.0     60.7     46.7     59.4     54.1     74.3       5     100.7     97.1     115.2     117.9     113.0       1.9     1,061.6     1,131.7     1,110.7     1,148.4     1,206.3     1,181.3     1,304.9     1,294.3       10     414.2     461.8     432.0     465.4     471.3     482.2     542.8     549.0   | 0                      | 1,061.6 | 1,131,7           | 1,110.7 | 1,148.4                     | 1,206.3 | ,181. | 1,304.9      | 1,294.3   | 1,204.0 |
| Lion       110.0       109.2       101.0       147.9       123.9       121.9       148.8       139.9         335.6       336.6       389.3       382.4       393.1       393.2       448.8       139.9         335.6       376.6       389.3       382.4       393.1       393.2       430.9       415.3         335.6       335.6       389.3       382.4       393.2       430.9       415.3         40.0       42.3       44.8       45.7       43.6       37.9       46.6         63.0       60.7       46.7       59.4       59.4       54.1       74.3       46.6         97.8       100.7       97.1       107.4       106.5       109.4       113.0       113.0         102.2       110.9       114.9       115.2       117.9       119.0       113.0         5       1.06.5       109.4       1.3.0       1.40.0         5       1.06.5       117.9       113.0       114.0         5       1.148.4       1,206.3       1,181.3       1,294.3       1,294.3         1       414.2       461.8       452.4       471.3       482.2       542.8       549.0         1<  |                        |         |                   |         |                             |         |       |              |           |         |
| 110.0 109.2 101.0 147.9 123.9 121.9 148.8 139.9 33.5 335.6 336.6 389.3 382.4 393.1 393.2 430.9 415.3 388.8 311.1 329.2 318.9 288.3 360.5 350.9 377.9 388.8 44.8 42.3 41.8 45.7 43.6 54.1 74.3 77.9 388.8 54.1 100.7 97.1 107.4 106.5 109.4 113.6 113.0 | By location            |         |                   |         |                             |         |       |              |           |         |
| 311.1 329.2 318.9 288.3 360.5 350.9 377.9 388.8 40.0 40.0 40.0 40.0 40.0 40.0 45.1 46.6 59.4 59.4 59.4 59.4 54.1 74.3 73.4 59.4 597.8 100.7 97.1 107.4 106.5 119.0 113.3 114.0 115.2 117.9 119.0 113.3 114.0 2.1 1.061.6 1,131.7 1,110.7 1,148.4 1,206.3 1,181.3 1,304.9 1,294.3 1, serilable.   |                        | 110.0   | 109.2             | 101.0   | 147.9                       | 123.9   | 121.9 | 148,8        | 139.9     | 133.1   |
| 63.0 60.7 46.7 59.4 59.4 54.1 74.3 73.4 73.4 73.4 73.4 73.4 73.4 73.4  |                        | 311.1   | 329.2             | 318.9   | 7 00 1                      | 360.5   | 350.9 | 377.9        | 388.8     | 349.2   |
| Stries   |                        | 63.0    | 42.3              | 41.8    | 45.7                        | 43.6    | 31.0  | 45.1         | 73.4      | 40.8    |
| pries 1,061.6 1,131.7 1,110.7 1,148.4 1,206.3 1,181.3 1,304.9 1,294.3 1, 1, 1061.8 432.0 465.4 471.3 482.2 542.8 549.0 as pipeline companies.  | Alberta                | 97.8    | 100.7             | 97.1    | 107.4                       | 106.5   | 109.4 | 113.6        | 113.0     | 107.9   |
| 1,061.6 1,131.7 1,110.7 1,148.4 1,206.3 1,181.3 1,304.9 1,294.3 1,181.6 companies.   | North West Territories | 1.9     | 2.1               | 1.0     | 2.1                         | 1.4     | 1.8   | 113.3        | 3.3       | 109.3   |
| 414.2 461.8 432.0 465.4 471.3 482.2 542.8 549.0<br>peline companies.   | Total requirements     | 1,061.6 | 1,131.7           | 1,110.7 | 1,148.4                     | 1,206.3 |       | 1,304.9      | 1,294.3   | 1,204.0 |
|  | Export requirements(1) | 414.2   | 461.8             | 432.0   | 465.4                       |         |       | 542.8        | 549.0     |         |
|  |                        | inies.  |                   |         |                             |         |       |              |           |         |



## Crude Oil Requirements 1968 and 1969

## Summary of Crude Oil Requirements and New Needs (thousand barrels daily)

|          | 1968     |      |          | 19   | 069    |      |
|----------|----------|------|----------|------|--------|------|
|          | Requirem | ents | Requirem | ents | New ne | eeds |
|          | Volume   | %    | Volume   | %    | Volume | %    |
|          |          |      |          |      |        |      |
| Domestic | 645      | 57   | 673      | 56   | 28     | 39   |
| Imports  | 487      | 43   | 531      | 44   | 44     | 61   |
| Totals   | 1,132    | 100  | 1,204    | 100  | 72     | 100  |



or further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613;

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 64



October 7, 1969

Tub also

Preliminary Electric Energy Statistics, August 1969.

Catalogue No. 57-001

Net generation of electric energy increased 8.9 per cent to 14,972,615 thousand kwh. in August 1969 from 13,749,830 thousand kwh. in August 1968. There were increases in net generation in all provinces except Newfoundland, where there was a decrease of 20.4 per cent. In August, as has been the case in previous few months, favourable water conditions resulted in a 12.6 per cent increase in hydro generation while the output of thermal plants decreased 3.1 per cent.

Imports decreased 40.7 per cent and exports increased 83.1 per cent compared with July 1968. Firm energy consumption increased 7.0 per cent.

Total generation for the twelve month period ending August 31, 1969 amounted to 185,207,337 thousand kwh. compared with 183,984,552<sup>r</sup> thousand kwh. ending in July.

Seasonally adjusted, net generation in August amounted to 15,894 million kwh. compared with 15,886 million kwh. in July. Firm energy consumption amounted to 15,428 million kwh. on a seasonally adjusted basis down from 15,581 million kwh. in July.



- 2 -

# Preliminary Electric Energy Statistics (thousand kwh)

|   |            | August     |            |
|---|------------|------------|------------|
|   | 1967       | 1968       | 1969       |
|   |            |            |            |
| Net generation - Hydro                      | 10,280,128 | 10,490,958 | 11,815,083 |
| Thermal                                     | 2,687,825  | 3,258,872  | 3,157,532  |
| Total net generation                        | 12,967,953 | 13,749,830 | 14,972,615 |
| Energy imported from U.S.A                  | 349,769    | 233,286    | 138,454    |
| energy exported to U.S.A.:                  |            |            |            |
| Firm  | 46,951     | 61,022     | 66,818     |
| Secondary                                   | 254,034    | 199,431    | 409,966    |
| Total exported to U.S.A                     | 300,985    | 260,453    | 476,784    |
| et energy used in Canada                    | 13,016,737 | 13,722,663 | 14,634,285 |
| econdary energy used in Canada              | 95,398     | 131,541    | 85,501     |
| irm energy used in Canada  Revised figures. | 12,921,339 | 13,591,122 | 14,548,784 |



For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

ENERGY

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 65

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## 1. Natural Gas Pipe Line Mileage, by size of pipe and by Province, 1968 - Catalogue No. 57-205

Total mileage of all natural gas pipe lines in service in 1968, including lines operated by producing and gas processing companies amounted to 51,953.1 miles, up 3,658.5 miles (7.6 per cent) from the previous year. Mileage of gas gathering systems totalled 6,058.5 miles (up 12.7 per cent), transmission systems 16,535.2 miles (up 5.9 per cent) and distribution systems 29,359.4 miles (up 7.5 per cent).



### GAS UTILITIES

TABLE 1. Natural Cas Pipe Line Mileage by Province, as at December 31, 1961-68(1)

|                           | T = 08(1)  |           |               |                 |          |          |                  |          |  |  |  |  |
|---------------------------|------------|-----------|---------------|-----------------|----------|----------|------------------|----------|--|--|--|--|
|                           | 1961       | 1962      | 1963          | 1964            | 1965     | 1966     | 1967             | 1968     |  |  |  |  |
|                           |            | miles     |               |                 |          |          |                  |          |  |  |  |  |
| Gathering                 |            |           |               | 1               | 1        |          | 1                | 1        |  |  |  |  |
| New Brunswick             | 6.4        | 6.4       | 6.4           | 6.4             | 6.4      | 6.4      | 6.4              | 6.4      |  |  |  |  |
| Ontario                   | 1,313.9    | 1,314.0   |               | ,,042.5         | .,101.6  | 1,106,6  | 1.3              |          |  |  |  |  |
| Saskatchewan              | 274.5      |           | 308.5         | 388.8           | 559.4    | 683.5    | 71/ 2            | ~ (1/ 1  |  |  |  |  |
| Alberta                   | 2,439.5    |           | , , , , , , , | 3,070.7         |          |          |                  |          |  |  |  |  |
| British Columbia          | 429.4      | 409.1     | 409.0         | 409.1           | 418.4    |          |                  | . ,      |  |  |  |  |
| Totals                    | 4,463.7    | 4,567.6   | 4,692.4       | 4,917.5         | 5,205.7  | 5,319.4  | 5,376.4          | 0,058.5  |  |  |  |  |
|                           |            |           |               | 1               |          | 1        |                  |          |  |  |  |  |
| Transmission              |            |           |               |                 |          | 1        |                  |          |  |  |  |  |
| New Brunswick             | 13.4       | 13.4      | 19 /          | 12.7            | 10. /    | 1        |                  | 1        |  |  |  |  |
| Quebec                    | 25.0       | 25.0      | 13.4          | 13.4            |          |          |                  |          |  |  |  |  |
| Ontario                   | 3,135.0    | 3,140.7   | 3,265.1       | 3,365.4         | 1        | 112.2    | 120.7<br>3,598.4 | 147.7    |  |  |  |  |
| Manitoba                  | 450.9      | 496.0     | .31.1         | 731.4           |          | 956.4    |                  | 1,145.5  |  |  |  |  |
| Saskatchewan              | 2,2/4.3    | 2,501.0   | 2,831.8       | 3,081.0         | 3,288.2  | 3,628.8  |                  | 4,332.2  |  |  |  |  |
| Alberta                   | 4,087.5    | 4,293.1   | 4,310.5       | 4,775.5         | 5,019.3  | 5,165.0  | 5,327.3          | 5,620.0  |  |  |  |  |
| british Columbia          | 1,224.7    | 1,310.4   | 1,311.5       | 1,319.0         | 1,551.0  | 1,579.5  | 1,660.3          | 1,758.4  |  |  |  |  |
| Totals                    | 11,216.8   | 11,844.6  | 12,388.4      | 13,310.7        | 14,206.1 | 14,934.5 | 15,613.4         | 16,535.2 |  |  |  |  |
|                           |            |           |               |                 |          |          |                  |          |  |  |  |  |
| Distribution              |            |           |               |                 |          |          |                  |          |  |  |  |  |
| New Brunswick             | 32.3       | 52.3      | 32.4          | 32.5            | 22 /     | 1 20 /   | 1 00 /           |          |  |  |  |  |
| uebec                     | 1,123.6    | 1,143.9   | 1,202.5       | 1,262.7         | 32.4     | 32.4     | 32.4             | 32.4     |  |  |  |  |
| Intario                   | 10,183.9   | 10,864.9  | 11,700.3      | 12,296.6        | 12,699.3 | 13,315.3 | 1,417.0          | 1,487.5  |  |  |  |  |
| Manitoba                  | 853.6      | 946.5     | 1,117.1       | 1,178.6         | 1,354.3  | 1,343.5  | 1,443.1          | 1,521.6  |  |  |  |  |
| askatchewan               | 1,272.8    | 1,425.0   | 1,535.9       | 1,636.5         | 1,740.3  | 1,788.6  | 1,913.5          | 2,030.6  |  |  |  |  |
| lberta<br>ritish Columbia | 2,895.7    | 3,099.6   | 3,224.2       | 3,383.4         | 3,486.9  | 3,623.2  | 4,295.4          | 5,180.4  |  |  |  |  |
| oolumiii                  | 3,182.8    | 3,427.5   | 3,646.7       | 3,843.3         | 4,052.5  | 4,264.4  | 4,466.1          | 4,610.2  |  |  |  |  |
| Totals                    | 19,544.7   | 20,939.7  | 22,459.1      | 23,633.6        | 24,661.1 | 25,728.1 | 27,304.8         | 29,359.4 |  |  |  |  |
|                           |            |           |               |                 |          |          |                  |          |  |  |  |  |
| Totals                    |            |           |               |                 |          |          |                  |          |  |  |  |  |
| ew Brunswick              | 52.1       | 52.1      | 52 <b>.2</b>  | 52.2            | 50.0     | 50.0     | 50.51            |          |  |  |  |  |
| uebec                     | 1,148.6    | 1,168.9   | 1,227.5       | 52.3<br>1,287.7 | 52.2     | 52.2     | 52.2             | 52.2     |  |  |  |  |
| ntario                    | 14,632.8   | 15,320.2  | 16,014.3      | 16,704.5        | 17,190.8 | 17,961.1 | 18,458.6         | 1,63%.5  |  |  |  |  |
| anitoba                   | 1,310.5    | 1,442.5   | 1,748.2       | 1,910.0         | 2,273.6  | 2,299.9  | 2,465.0          | 2,667.1  |  |  |  |  |
| askatchewan               | 3,821.6    | 4,288.5   | 4,676.2       | 5,106.3         | 5,587.9  | 6,100.9  | 6,539.2          | 7,156.9  |  |  |  |  |
| lbertaritish Columbia     | 9,422.7    | 9,932.7   | 10,454.3      | 11,229.6        | 11,626.1 | 11,766.6 | 12,601.6         | 14,304.7 |  |  |  |  |
| cersu Columbia            | 4,836.9    | 5,147.0   | 5,367.2       | 5,571.4         | 6,021.9  | 6,328.4  | 6,639.0          | 6,978.9  |  |  |  |  |
| Totals                    | 35,225.2   |           | 39,539.9      | 11,861.8        | 44,012.4 | 40,752.0 | 44,294.          | 1,3.1    |  |  |  |  |
| ) Includes pipe line      | mileage ol | producing | and proce     | ssine comr      | anies    |          |                  |          |  |  |  |  |

<sup>1)</sup> Includes pipe line mileage of producing and processing companies.



TABLE 2. Gas Pipe Line Mileage by Size of Pipe and Province, as at December 31, 1968

|                             | Total rate 1                                       |                |                |                 |         |             |                |  |  |  |  |
|-----------------------------|--|----------------|----------------|-----------------|---------|-------------|----------------|--|--|--|--|
|                             | Total natural gas industries(1)                    |                |                |                 |         |             |                |  |  |  |  |
|                             | Outside diameter of pipe in inches  0-2.9          |                |                |                 |         |             |                |  |  |  |  |
|                             | 0-2.9  | 3-3.9          | 6-8.9          | 9-12.9<br>miles | 13-20.9 | over        | Total          |  |  |  |  |
| Gathering:                  |  | 1              | 1              | III. LES        |         |             |                |  |  |  |  |
| New Brunswick               | 6.4  | 400            | ent            | -               | _       | _           | 6.4            |  |  |  |  |
| Quebec Ontario              | 677.5  | 0.5            | 0.8            | -               | -       | _           | 1.3            |  |  |  |  |
| Manitoba                    | 0//.5  | 311.5          | 113.3          | 16.6            | 20.0    | 3.2         | 1,142.1        |  |  |  |  |
| Saskatchewan                | 72.5   |                | 300.9          | 73.8            | 32.8    | 4.8         | 794.1          |  |  |  |  |
| Alberta                     | 540.0  | , , , , , , ,  | 1,100.4        | 324.0           | 138.8   | 12.1        | 3,504.3        |  |  |  |  |
| British Columbia            | 17.1   | 171.9          | 142.4          | 122.9           | 70.5    | 85.5        | 610.3          |  |  |  |  |
| Canada                      | 1,313.5  | 2,182.2        | 1,657.8        | 537.3           | 262.1   | 105.6       | 6,058.         |  |  |  |  |
| Transmission:               |  |                |                |                 |         |             |                |  |  |  |  |
| New Brunswick               | -  | 4.2            | 0.2            | 9.0             |         |             | 70 /           |  |  |  |  |
| Quebec                      | _  | -              | 65.4           | 23.2            | 59.1    | _           | 13.4<br>147.7  |  |  |  |  |
| Ontario                     | 55.7   | 216.9          | 695.8          | 496.1           | 480.5   | 1,573.0     | 3,518.0        |  |  |  |  |
| Manitoba                    | 33.2   | 263.9          | 153.2          | 41.5            | 12.5    | 641.2       | 1,145.5        |  |  |  |  |
| Saskatchewan                | 810.9  | 810.1          | 690.5          | 695.8           | 427.8   | 897.1       | 4,332.2        |  |  |  |  |
| Alberta<br>British Columbia | 369.1 41.2   | 969.0<br>169.5 | 950.6<br>168.3 | 1,114.4         | 934.5   | 1,282.4     | 5,620.0        |  |  |  |  |
| Canada                      | 1,310.1  | 2,433.6        | 2,724.0        | 2,648.8         | 1,920.7 | 5,498.0     | 16,535.2       |  |  |  |  |
| Distribution:               |  |                |                |                 |         |             |                |  |  |  |  |
| New Brunswick               | 6.3  | 14.0           | 11.1           | 1.0             |         | 60          | 22 /           |  |  |  |  |
| Quebec                      | 195.8  | 384.9          | 624.6          | 148.2           | 124.1   | 9.9         | 32.4           |  |  |  |  |
| Ontario                     | 6,934.8  | 4,077.6        | 2,620.6        | 707.4           | 108.4   | 47.9        | 14,496.7       |  |  |  |  |
| Manitoba                    | 1,123.4  | 234.6          | 122.5          | 19.6            | 21.5    |             | 1,521.6        |  |  |  |  |
| Saskatchewan                | 1,333.6  | 474.5          | 170.7          | 34.6            | 17.2    | eto .       | 2,030.6        |  |  |  |  |
| Alberta                     | 3,674.1  | 927.9          | 405.9          | 119.8           | 52.7    | -           | 5,180.4        |  |  |  |  |
| British Columbia            | 3,006.3  | 977.4          | 365.1          | 107.4           | 102.0   | 52.0        | 4,610.2        |  |  |  |  |
| Canada                      | 16.274.3   | 7,090.9        | 4,320.5        | 1,138.0         | 425.9   | 109.8       | 29,359.4       |  |  |  |  |
| Grand totals                | 18,897.9   | 11,706.7       | 8,702.3        | 4,324.1         | 2,608.7 | 5,713.4     | 51,953.1       |  |  |  |  |
|                             | Manufactured and liquefied petroleum gases systems |                |                |                 |         |             |                |  |  |  |  |
|                             | Outside diameter of pipe in inches                 |                |                |                 |         |             |                |  |  |  |  |
|                             | 0-2.9  | 3-5.9          | 6-8.9          | 9-12.9          | 13-20.9 | 21 and over | Total          |  |  |  |  |
| Diotalbut                   |  |                |                | miles           |         |             |                |  |  |  |  |
| Distribution:               |  |                |                |                 | 1       |             |                |  |  |  |  |
| QuebecBritish Columbia      | 9.5<br>143.7                                       | 49.4<br>82.5   | 68.3<br>14.6   | 9.9             | 3.1     |             | 140.2<br>245.1 |  |  |  |  |
| Canada                      | 153.2  | 131.9          | 82.9           | 14.2            | 3.1     | -           | 385.3          |  |  |  |  |
| Grand totals, all utilities | 19,051.1   | 11,838.6       | 8,785.2        | 4,338.3         | 2,611.8 | 5,713.4     | 52,338.4       |  |  |  |  |

<sup>(1)</sup> Includes pipe mileage of producing, gathering, processing and utility companies. Some size categories include estimated figures.



### 2. Receipts and Disposition of Natural Gas Utilities by Province, 1968

During 1968, natural gas utilities received 1,383.7 billion cubic feet from fields and gas gathering plants, up 13.7 per cent from the 1,217.1 billion in 1967. Imports increased to 81.6 billion cubic feet from 70.5 billion. Other receipts, including liquefied petroleum gases used for peak shaving and other temporary uses, increased to 490.8 million cubic feet from the previous year's 68.9 million. Receipts from storage amounted to 55.7 billion cubic feet, up from 47.8 billion in 1967 while deliveries to storage rose to 57.8 billion cubic feet from 52.7 billion.





|                |   | New<br>Brunswick | Quebec                                 | Ontario                                 |
|----------------|---|------------------|--|---|
| No.            |   |                  | Mcf.                                   |   |
|                | Receipts  |                  |  |   |
| 1              | By transport systems:   |                  |  |   |
| la<br>lb       | Fields Processing plants  | -                | -                                      | -                                       |
| 2              | By distribution systems:  |                  |  |   |
| 2 a<br>2 b     | Fields Processing plants  | 110,928          | 137,573                                | 11,972,126                              |
| 3              | Total (1 + 2)   | 110,928          | 137,573                                | 11,972,126                              |
| 4 5            | Imports Other receipts(1)   | -                | -                                      | 81,449,956<br>11,032                    |
| 6              | Total net receipts (3 + 4 + 5)  | 110,928          | 137,573                                | 93,433,114                              |
| 7              | Received from storage   | -                | -                                      | 49,074,564                              |
| 9              | Total supply of gas utilities (6 + 7)                                   | 110,928          | 137,573                                | 142,507,678                             |
|                | Transfers from:   |                  |  |   |
| 11<br>12<br>13 | Other provinces Distribution to transport (primary) Other gas utilities | -<br>-<br>-      | 46,405,497<br>16,162,350<br>25,085,154 | 297,025,270<br>3,546,115<br>362,134,040 |
| 19             | Total gross receipts (9 + 11 + 12 + 13)                                 | 110,928          | 87,790,574                             | 805,213,103                             |
|                | Disposition   |                  |  |   |
|                | Sales:  |                  |  |   |
| 20<br>21<br>22 | Residential Commercial Industrial                                       | 40,491<br>23,635 | 11,397,497<br>5,481,490<br>27,282,837  | 91,587,533<br>57,447,151<br>158,846,831 |
| 30             | Total sales (20 + 21 + 22)  | 64,126           | 44,161,824                             | 307,881,515                             |
| 31<br>32       | Exports   | -                | 1,452,024                              | 4,849,189<br>23,241                     |
| 33             | Total net deliveries (30 + 31 + 32)                                     | 64,126           | 45,613,848                             | 312,753,945                             |
| 34<br>35       | Delivered to storage Line pack fluctuation                              | -                | 2,882                                  | 48,986,569<br>147,926                   |
| 36<br>37       | Gas used in system  | 46,802           | 122,488<br>803,852                     | 24,974,730<br>6,264,281                 |
| 39             | Total demand on gas utilities (33 + 34 + 35 + 36 + 37)                  | 110,928          | 46,543,070                             | 393,127,451                             |
|                | Transfers to:   |                  |  |   |
| 40<br>41<br>42 | Other provinces Distribution by transport (primary) Other gas utilities | -<br>1           | 41,198,835<br>48,669                   | 46,405,497<br>289,146,926<br>76,533,229 |
| 49             | Total disposition (39 + 40 + 41 + 42)                                   | 110,928          | 87,790,574                             | 805,213,103                             |
| (1)            | Includes peak shaving and enrichment.                                   |                  | 1                                      |   |

<sup>(1)</sup> Includes peak shaving and enrichment.

Receipts and Disposition of Natural Gas Utilities, by Province, Jan. - Dec. 1968

| Manitoba                  | Saskatchewan              | Alberta                    | British<br>Columbia                     | Canada                                |                |
|---------------------------|---------------------------|----------------------------|---|---------------------------------------|----------------|
|                           |                           | Mcf.                       |   |                                       | No             |
|                           |                           |                            |   |                                       |                |
|                           |                           |                            |   |                                       |                |
|                           |                           | 1                          |   |                                       |                |
| 1                         | -                         | 83,524,261<br>785,799,401  | 4,440,466<br>217,728,985                | 87,964,727<br>1,003,528,386           | 1:             |
|                           |                           | ;                          |   |                                       |                |
| -                         | 24,199,216<br>21,932,318  | 111,717,043<br>121,250,222 | 922,925                                 | 148,136,886<br>144,105,465            | 2:<br>2t       |
| -                         | 46,131,534                | 1,102,290,92/              | 223,092,376                             | 1,383,735,464                         | 3              |
| 399,347                   | -                         | 104,119                    |   | 81,554,075                            | 4              |
| 399,347                   | 46,131,534                | 19,231<br>1,102,414,277    | 61,195                                  | 490,805                               | 5              |
| -                         | 4,158,687                 | 2,494,136                  | 1 223,133,371                           | 1,465,780,344                         | 6              |
| 399,347                   | 50,290,221                | 1,104,908,413              | 223,153,571                             | 55,727,387                            | 7              |
|                           |                           | ,                          |   | 1, 21, 37, 731                        |                |
| 470,598,795               | 518,669,714               |                            |   |                                       |                |
| 45,496,304                | 32,710,344<br>34,189,185  | 17,075,228<br>71,814,561   | 322,017,497<br>-<br>89,855,843          | 69,494,037                            | 11             |
| 516,494,446               | 635,859,464               | 1,193,798,202              | 635,026,911                             | 628,575,087<br>2,219,576,855          | 13             |
|                           |                           |                            | 033,020,322                             | [                                     | 19             |
|                           |                           |                            |   |                                       |                |
|                           |                           |                            |   |                                       |                |
| and account               |                           |                            |   |                                       |                |
| 17,735,633<br>12,329,188  | 20,889,858<br>11,851,895  | 49,960,154<br>42,914,003   | 22,972,763<br>13,945,539                | 214,583,929<br>143,992,901            | 20<br>21       |
| 15,178,041                | 48,262,934                | 108,061,486                | 49,577,855                              | 407,209,984                           | 22             |
| 45,242,862<br>120,861,788 | 81,004,687                | 200,935,643                | 86,496,157                              | 765,786,814                           | 30             |
| -                         | 31,785                    | 36,636,785<br>6,746,888    | 440,645,435                             | 604,445, <b>221</b><br>6,801,914      | 31<br>32       |
| 166,104,650               | 81,036,472                | 244,319,316                | 527,141,592                             | 1,377,033,949                         | 33             |
| 1,000,194                 | 4,805,242<br>555,605      | 3,965,864<br>39,754        | 1,002,885                               | 57,757,675                            | 34             |
| +,925,177<br>1,9+2,9 1    | 11,670, 14<br>293,307     | 7,895,181<br>8,001,087     | 12,815,027                              | 2,749,246<br>62,403,117<br>21,663,744 | 35<br>36<br>37 |
|                           |                           | ,,,                        | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 21, 103, 744                          | 1 3/           |
| 173,9/2,8/2               | 98,361,140                | 264,221,202                | 545,171,068                             | 1,521,507,731                         | 39             |
|                           |                           |                            |   |                                       |                |
| 297,025,270<br>45,496,304 | 470,598,795<br>34,189,185 | 840,687,211                | 91 920 551                              | /00 0/2 /0/                           | 40             |
| -                         | 32,710,344                | 1,191,606<br>87,698,183    | 87,820,551<br>2,035,292                 | 499,043,407<br>199,025,717            | 41 42          |
| 516,494,446               | 635,859,464               | 1,193,798,202              | 635,026,911                             | 2,219,576,855                         | 49             |



# 3. Preliminary Propane Statistics, March 1969

Sales of Propane to final consumers in February 1969 amounted to 1,003,912 barrels while 610,117 barrels were exported. Deliveries for petro-chemicals and other products totalled 293,020 barrels.

Due to lack of data, a further breakdown of sales to final consumers is not possible except for the province of Alberta where Residential and Commercial users accounted for 260,584 barrels and 3,543 barrels were sold for industrial purposes.

Confidentiality requires that supply figures for the Atlantic provinces be incorporated with those of Quebec.

CAS PROCESSING PLANT AND REFINERY PROPANE - SUPPLY AND DISPOSITION, FEBRUARY 1969

|  | ·        |         |          |                                 |           |                     |           |
|--|----------|---------|----------|---------------------------------|-----------|---------------------|-----------|
|  | Atlantic | Quebec  | Ontario  | Manitoba<br>and<br>Saskatchewan | Alberta   | British<br>Columbia | Canada    |
|  |          |         |          | barrels                         |           | ·                   | 1         |
| <u>Supply</u>  |          |         |          |                                 |           |                     |           |
| Processing plant production less Returned to formation | _        |         | -        | 70,277                          | 1,482,650 | 25,709              | 1,578,636 |
| Refinery production                                    | (1)      | 211,223 | 180,449  | 35,084                          | -         | 28,430              | 455,186   |
| Imports  | -        | 878     | -        | -                               | -         | _                   | 878       |
| Inventory Change                                       | (1)      | (2,123) | 5,437    | (71, 918)                       | (8,457)   | 21,073              | (55, 988) |
| LPG available for consumption                          | (1)      | 209,978 | 185,886  | 33,443                          | 1,474,193 | 75,212              | 1,978,712 |
| Inter-provincial transfers in                          |          | 47,396  | 178,847  | 351,660                         | 2,722     | 318,804             | 899,429   |
| Total  | (1)      | 257,374 | 364,733  | 385,103                         | 1,476,915 | 394,016             | 2,878,141 |
|  |          |         |          |                                 |           |                     |           |
| Disposition  |          |         |          |                                 |           |                     |           |
| Plant and refinery use                                 | -        | 23,418  | 629      | 4,119                           | 2,464     | (5,507)             | 25,123    |
| Gas enrichment   | -        | -       | -        | en.                             | 1,638     | en.                 | 1,638     |
| Miscible flood   | -        | -       | -        | 100                             | 34,072    | -                   | 34,072    |
| Petro-chemical and other producers                     | -        | 42,196  | 136,942  |                                 | 113,882   | 10                  | 293,020   |
| Final consumers  | 45,092   | 124,427 | 238,075  | 234,505                         | 264,127   | 97,686              | 1,003,912 |
| Exports  | -        | -       | -        | 102,356                         | 215,541   | 292,220             | 610,117   |
| Losses and adjustments                                 | (5,169)  | 23,529  | (10,925) | (1,679)                         | 1,380     | 5,716               | 12,852    |
| LPG consumed   | 39,923   | 213,570 | 364,721  | 339,301                         | 633,104   | 390,115             | 1,980,734 |
| Inter-provincial transfers out                         | -        | 3,881   | 12       | 45,802                          | 843,811   | 3,901               | 897,407   |
| Total  | 39,923   | 217,451 | 364,733  | 385,103                         | 1,476,915 | 394,016             | 2,878,141 |
| (1) Included with Oughes                               |          |         |          |                                 |           |                     |           |

<sup>(1)</sup> Included with Quebec.



\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 66

October 17, 1969

Crude Petroleum and Natural Gas Production Cat. No. 26-006

July 1969

According to preliminary data, the production of crude petroleum and equivalent hydrocarbons during July 1969 amounted to 38,412,787 barrels (1,239,122 barrels per day) an increase of 8.7 per cent or 99,100 barrels per day from July 1968.

Preliminary figures of natural gas net new production in July 1969 indicate an increase of 17.0 per cent to 157,240,314 Mcf. from 134,352,720 Mcf. in July 1968.





|  | New<br>Brunswick | Ontario | Manitoba                               | Saskat-<br>chewan                            | Alberta   | British<br>Columbia                            | Northwest<br>Territories | Total<br>Canadian<br>sources                                   | Total<br>Foreign<br>sources             | Total<br>all<br>sources   |
|--|------------------|---------|--|--|---|--|--------------------------|--|---|---|
| Supply   |                  |         |  | 1  | barrels of 35   | Canadian                                       | gallons                  |  |   |   |
| Domestic production Crude oil Synthetic crude oil Less returned to formation   | 794              | 103,210 | 528,100                                | 7,701,618                                    | 23,819,600<br>1,373,882<br>649,041                          | 2,287,251                                      | 95,016                   | 34,535,589<br>1,373,882<br>649,041                             | : : :                                   | 34,535,589<br>1,373,882<br>649,041  |
| Totals   | 794              | 103,210 | 528,100                                | 7,701,618                                    | 24,544,441  | 2,287,251                                      | 95,016                   | 35,260,430   |   | 35,260,430  |
| Condensate   | t t              | 1 (     | 1 1                                    | 29,006                                       | 60,102  | 3,969  | 1 1                      | 64,071   | : :                                     | 64,071  |
| Net withdrawals  | 764              | 103,210 | 528,100                                | 7, 30,624                                    | 27,608,984  | 2,346,059                                      | 92,016                   | 38,412,787   | :                                       | 38,412,787  |
| Imports  | :                | :       | •                                      | :  | :   | :  | ٠                        | :  | 17,112,303                              | 17,112,303  |
| Total supply   | 794              | 103,210 | 528,100                                | 7,730,624                                    | 27,608,984  | 2,346,059                                      | 95,016                   | 38,412,787   | 17,112,303                              | 55,525,090  |
| Disposition  |                  |         |  |  |   |  |                          |  |   |   |
| Deliveries to refineries Atlantic Provinces Quebec Onario Manitoba Saskatchewan Alberta British Columbia Northwest Territories |                  | 103,210 | 16,394                                 | 4,254,202<br>650,357<br>212,802              | 6,088,937<br>642,564<br>1,951,434<br>3,632,147<br>1,290,581 | 1,907,646                                      |                          | 10,940,309<br>1,309,315<br>2,164,236<br>3,632,147<br>3,198,227 | 3,693,240                               | 3,693,240<br>13,334,621<br>11,024,573<br>1,309,315<br>2,164,236<br>3,632,147<br>3,198,227 |
| Totals   | 1                | 103,210 | 510,354                                | 5,117,361                                    | 13,605,663  | 1,907,646                                      | 80,358                   | 21,324,592   | 17,112,125                              | 38,436,717  |
| Exports to U.S.A. Petroleum Administration District I II IV  |                  | 1 1 1   | 1 4 4 1                                | 81,010<br>2,378,767                          | 2,284,777<br>4,374,983<br>987,423<br>6,224,587              | 618,616  | 1 1 1 1                  | 2,365,787<br>6,753,750<br>987,423<br>6,843,203                 | f f i 1                                 | ,365,<br>,753,<br>987,<br>843,  |
| Totals   | ,                | ,       | ı                                      | 2,459,777                                    | 13,871,770  | 618,616  | ,                        | 16,950,163   | t                                       | 16,950,163  |
| Inventories Opening - Field and plant Transporters' Closing - Field and plant  | 3,060            | 1 1 1 1 | 73,150<br>133,748<br>68,302<br>156,348 | 466,000<br>5,350,422<br>440,000<br>5,525,508 | 1,840,413<br>27,095,567<br>1,804,591<br>27,116,412          | - 45,114<br>1,485,988<br>- 34,095<br>1,383,548 | 37,972                   | 2,375,481<br>34,065,725<br>2,334,378<br>34,181,816             | 359,835                                 | 375<br>425<br>334<br>541  |
| Net change   | - 110            | ı       | 17,752                                 | 149,086                                      | - 14,977  | - 91,421                                       | 14,658                   | 74,988   |   | -4,988  |
| Deliveries to other purchasers Pipeline fuel Field and plant use Losses and adjustments  | 0006             | 1 ( 1 ) | 1 1 1                                  | 4,400  | 7,208<br>15,293<br>71,134<br>52,893                         | 150  | 1 1 1 3                  | 8,258<br>15,293<br>75,534<br>- 36,041                          | 1 | 8,258<br>15,293<br>-5,534   |
| Total disposition  | 194              | 103,210 | 528,100                                | 7,730,624                                    | 27,608,984  | 2,346,059                                      | 95,016                   | 38,412,787   | 17,112,303                              | 55,525,090  |
| Figures not appropriate or not a   | applicable.      |         |  |  |   |  |                          |  |   |   |

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, July 1969

|           |   | New<br>Brunswick | Quebec | Ontario   | Saskatchewan       |
|-----------|---|------------------|--------|-----------|--------------------|
| 0.        |   |                  | Mcf    | •         |                    |
|           | A. FIELD AND PROCESSING PLANTS  | 1                |        | 1         |                    |
|           | Supply  |                  |        |           |                    |
|           |   | 6,955            | 6,804  | 620,133   | 3,539,863          |
| 2         | Gross new production  | -                | -      |           | 964,022            |
| 3         | Net new production (1 - 2)  | 6,955            | 6,804  | 620,133   | 2,575,841          |
| 4         | Reproduced  | -                | -      | -         | -                  |
| 5         | Less injected and stored  | -                | -      | -         | •                  |
| 6         | Net withdrawals   | 6,955            | 6,804  | 620,133   | 2,575,841          |
|           | Disposition   |                  |        |           |                    |
| 7         | Field disposition and uses  | 192              | 40     | -         | 302,358<br>54,016  |
| 8         | Gathering system disposition and uses  Processing plant disposition and uses: | -                | -      | -         |                    |
| 9a<br>9b  | Processing shrinkage  | -                | _      | -         | 194,212<br>190,173 |
| .0        | Other uses  | -                | -      | -         | 114,379            |
| .1        | Adjustment Deliveries of marketable gas                                       | 6,763            | 6,804  | 620,133   | 1,720,703          |
| .3        | Total disposition   | 6,955            | 6,804  | 620,133   | 2,575,84           |
|           |   |                  |        |           |                    |
|           | B. GAS UTILITIES  |                  |        |           |                    |
|           | Supply  |                  |        |           |                    |
| 14        | Receipts of marketable gas  |                  |        |           |                    |
| L4a       | Plants  | -                | -      | -         | 1,159,700          |
| .4b       | Fields  | 6,763            | 6,804  | 620,133   | 560,99             |
| 1.5       | Total (14a + 14b)   | 6,763            | 6,804  | 620,133   | 1,720,703          |
| 16        | Receipts from distributor storage   | -                | -      | 1,041,864 | 84,14              |
| l7<br>l7a | Imports Other receipts(1)   | -                | -      | -         | _                  |
|           |   |                  |        |           |                    |
| 18        | Total supply of marketable gas (15 + 16 + 17 + 17a)                           | 6,763            | 6,804  | 1,661,997 | 1,804,84           |
|           | <u>Disposition</u>  |                  |        |           |                    |
|           | Sales   |                  |        |           |                    |
| .9        | British Columbia  |                  | _      |           |                    |
| 20        | Alberta   |                  | -      | -         |                    |
| 1         | Saskatchewan  | -                | -      | -         | 802,54             |
| 12        | Manitoba  | -                | -      | - 704 705 |                    |
| 24        | Ontario   | -                | 6,804  | 1,794,705 |                    |
| 5         | New Brunswick   | 3,687            | -      |           |                    |
| 26        | Total sales (19 to 25 inclusive)  | 3,687            | 6,804  | 1,794,705 | 802,54             |
| 27        | Exports   | -                | -      | -         |                    |
| 28        | Other deliveries(2)   | -                | -      | -         | 505.06             |
| 29<br>30  | Delivered to distributor storage  |                  |        | -         | 505,86             |
| 31        | Pipeline fuel   | ***              | -      | 22,596    | 540,9              |
| 32        | Pipeline losses etc.  | 3,076            | -      | - 155,304 | 71,30              |
| 33        | Total disposition of marketable gas (26 to                                    |                  |        | 1,661,997 | 1,804,84           |

<sup>(1)</sup> L.P.G. for gas enrichment, peak shaving or temporary supply.
(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, July 1969

| Alberta                  | British<br>Columbia   | Northwest<br>Territories | Total<br>Canadian<br>sources | Total<br>Foreign<br>sources | Total<br>all<br>sources  |
|--------------------------|-----------------------|--------------------------|------------------------------|-----------------------------|--------------------------|
|                          |                       | Mcf.                     |                              |                             |                          |
|                          |                       |                          |                              |                             |                          |
| 141,277,605              | 18,908,550            | 50,515                   | 164,410,425                  |                             | 164,410,425              |
| 5,113,233                | 1,043,172             | 49,684                   | 7,170,111                    | • • •                       | 7,170,111                |
| 130,104,372              | 17,865,378            | 831                      | 157,240,314                  | •••                         | 157,240,314              |
| 21,752,902               | 788,492               | -                        | 22,541,394                   | • • •                       | 22,541,394               |
| 114,411,470              | 17,076,886            | 831                      | 134,698,920                  | • • •                       | 134,698,920              |
|                          |                       |                          |                              |                             |                          |
| 403,652<br>- 113,551     | 378,472<br>286        | ~                        | 1,084,674                    |                             | 1,084,674                |
| 18,954,792               | -                     | _                        | - 59,249<br>19,149,004       | •••                         | - 59,249                 |
| 6,821,095<br>83,336      | 400,327<br>1,947,813  | 831                      | 7,411,595                    | • • •                       | 19,149,004<br>7,411,595  |
| 821,027                  | 94,548                | -                        | 2,146,359<br>915,575         | • • •                       | 2,146,359<br>915,575     |
| 87,441,119               | 14,255,440            | -                        | 104,050,962                  |                             | 104,050,962              |
| 114,411,470              | 17,076,886            | 831                      | 134,698,920                  | • • •                       | 134,698,920              |
| 7/ 730 000               |                       |                          |                              |                             |                          |
| 74,739,203<br>12,701,916 | 13,779,777<br>475,643 | -                        | 89,678,686<br>14,372,256     | • • •                       | 89,678,686<br>14,372,256 |
| 87,441,119               | 14,255,420            | -                        | 104,050,942                  | •••                         | 104,050,942              |
| 14,739                   | -                     | -                        | 1,140,744                    |                             | 1,140,744                |
| 3,733                    | 20                    | -                        | 3,753                        | 1,814,681                   | 1,814,681<br>3,753       |
| 87,459,591               | 14,255,440            | -                        | 105,195,439                  | 1,814,681                   | 107,010,120              |
|                          |                       |                          |                              |                             |                          |
| 646,360                  | 3,635,249             | _                        | 4,281,609                    |                             | 4,281,609                |
| 12,154,328               | -                     | -                        | 12,154,328                   | 2,505                       | 12,156,833               |
| 2,088,238                | - ma                  | -                        | 3,772,977<br>2,088,238       | -                           | 3,772,977<br>2,088,238   |
| 14,653,210<br>3,365,762  | -                     | -                        | 16,447,915                   | 1,812,015                   | 18,259,930               |
| -                        | -                     | -                        | 3,372,566<br>3,687           | -                           | 3,372,566<br>3,687       |
| 35,878,331               | 3,635,249             | -                        | 42,121,320                   | 1,814,520                   | 43,935,840               |
| 41,491,359<br>143,241    | 10,356,113            | -                        | 51,847,472                   | -                           | 51,847,472               |
| 7,636,720                |                       | -                        | 143,241<br>8,142,586         | -                           | 143,241                  |
| - 537,720<br>2,295,155   | 36,526<br>214,371     | -                        | - 616,979                    | -                           | 8,142,586<br>- 616,979   |
| 552,505                  | 13,181                | -                        | 3,073,036<br>484,763         | 161                         | 3,073,036<br>484,924     |
| 87,459,591               | 14,255,440            | _                        | 105,195,439                  | 1,814,681                   | 107,010,120              |



\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 67

October 20, 1969



# Oil Pipe Line Transport, August 1969, Catalogue No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during August increased 6.5 per cent to 1,872,100 B/D from 1,758,600 B/D for the same period of the preceding year; domestic oils amounted to 1,471,700 B/D (up 6.9 per cent) and imported oils were 400,400 B/D (up 4.7 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 8.4 per cent to 1,885,100 B/D from 1,739,800 B/D last year. Included in the month's deliveries were 1,305,800 B/D to domestic points (up 7.1 per cent) and 579,300 B/D for export (up 11.3 per cent).

For the eight-month period, net receipts of all commodities were 1,810,700 B/D, an increase of 6.6 per cent over the same period of 1968; deliveries rose 6.7 per cent, to 1,806,600 B/D. The imports by pipeline for the period increased to 384,300 B/D while the exports of the same commodities rose to 546,800 B/D, an increase of 3.6 per cent and 18.5 per cent, respectively.

Total traffic for August amounted to 27,522 million barrel miles with an average length of haul of 471.0 miles.

Oil held by Canadian pipe line systems totalled 25,177,447 barrels by the end of August. Inventories of crude oil and equivalent decreased by 399,611 barrels, while inventories held in Canada and the United States decreased by 351,919 barrels.

O.B.S. Regional Offices — St. Johns • Halifax • Montreal • Toronto • Winnipeg • Edmonton • Vancouver



# Oil Pipe Line Supply and Disposition

|                             |                                | August                                   | 1969             |                                       | Year to d        | ate 1969                    |
|-----------------------------|--------------------------------|--|------------------|---------------------------------------|------------------|-----------------------------|
| Supply<br>and<br>Dispostion | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>Volume  | %<br>change<br>from<br>August<br>1968 | Total<br>Volume  | % change from previous year |
|                             |                                |  | '000 barre       | ls per day                            |                  |                             |
|                             |                                |  |                  |                                       |                  |                             |
| Net receipts                |                                |  |                  |                                       |                  |                             |
| Domestic Imports            | 1,255.2<br>397.3               | 216.5<br>3.1                             | 1,471.7<br>400.4 | + 6.9<br>+ 4.7                        | 1,426.4<br>384.3 | + 7.4<br>+ 3.6              |
| Total net receipts          | 1,652.5                        | 219.6                                    | 1,872.1          | + 6.5                                 | 1,810.7          | + 6.6                       |
|                             |                                |  |                  |                                       |                  |                             |
| Net deliveries              |                                |  |                  |                                       |                  |                             |
| Domestic Exports            | 1,099.0<br>567.6               | 206.8                                    | 1,305.8<br>579.3 | + 7.1<br>+ 11.3                       | 1,259.8<br>546.8 | + 2.3<br>+ 18.5             |
| Total net deliveries        | 1,666.6                        | 218.5                                    | 1,885.1          | + 8.4                                 | 1,806.6          | + 6.7                       |
| Inventory change (barrels)  | - 351,919                      | 25,296                                   | - 326,623        | -                                     | 991,912          | -                           |
|                             |                                |  |                  |                                       |                  |                             |

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 2. No. 68

October 22, 1969

Sales of Natural Gas August 1969 Catalogue No. 55-002

Total sales of Natural gas to Canadian consumers for August were 44,629,865 Mcf. This was an increase of 5.3% over the same month last year. Revenue from sales was \$23,979,615.

Sales for the first eight months of 1969 were 563,687,548 Mcf., an increase of 10.9% over the first eight months last year. Exports continued to rise over the same period amounting to 434,709,560 Mcf., an increase of 30.6%, while imports were 27,090,237 Mcf., a decrease of 56.3%. Domestic revenues were up 7.4%, and export revenues were up 13.7%.



# Sales of Natural Gas, August 1969

|  | Custome  | rs   |   |   |
|--|--|--|---|---|
|  | Space heating  | Total  | Gas sold  | Revenue   |
|  | No.  |  | Mcf.  | \$  |
|  | 1  |  |   |   |
| Residential  New Brunswick  Quebec  Ontario  Manitoba  Saskatchewan  Alberta  British Columbia  Canada | 130<br>103,871<br>569,333<br>107,261<br>119,010<br>262,138<br>182,700<br>1,344,443 | 1,699 204,927 703,046 109,539 121,418 265,836 203,875 1,610,340                      | 2,055<br>454,716<br>1,773,142<br>266,853<br>441,747<br>1,199,984<br>809,606<br>4,948,103            | 7,437 1,160,557 2,602,285 330,659 566,329 1,107,787 1,270,304 7,045,358                           |
| Commercial  New Brunswick  Quebec  Ontario  Manitoba  Saskatchewan  Alberta  British Columbia  Canada  |  | 70<br>10,367<br>65,191<br>10,535<br>16,795<br>29,758<br>26,504<br>159,220            | 1,556 246,210 3,053,773 204,885 276,208 1,339,952 594,006 5,716,590                                 | 3,435<br>301,798<br>2,663,279<br>160,911<br>208,888<br>584,462<br>560,471<br>4,483,244            |
| Industrial  New Brunswick  Quebec  Ontario  Manitoba  Saskatchewan  Alberta  British Columbia  Canada  |  | 2,076<br>8,058<br>299<br>651<br>926<br>344<br>12,354                                 | 2,900,764<br>12,907,266<br>1,313,821<br>2,719,919<br>10,093,892<br>4,029,510<br>33,965,172          | 1,312,012<br>6,570,730<br>379,638<br>813,113<br>1,821,420<br>1,554,100<br>12,451,013              |
| Firm   |  | 11,792   | 26,777,631<br>7,187,541   | 9,743,107<br>2,707,906  |
| Total sales  New Brunswick   |  | 1,769<br>217,370<br>776,295<br>120,373<br>138,864<br>296,520<br>230,723<br>1,781,914 | 3,611<br>3,601,690<br>17,734,181<br>1,785,559<br>3,437,874<br>12,633,828<br>5,433,122<br>44,629,865 | 10,872<br>2,774,367<br>11,836,294<br>871,208<br>1,588,330<br>3,513,669<br>3,384,875<br>23,979,615 |
| fotal exports  |  |  | 52,894,473  | 14,092,735  |
| Total imports  |  |  | 3,728,316   | 1,633,247   |

<sup>(1)</sup> Contains estimates.

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4 No. 69 October 23, 1969

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| 1. | Preliminary Report on Coal Production, |      |
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| 2. | Coal and Coke Statistics, August 1969, |      |
|    | Cat. No. 45-002                        | 3    |

# 1. Preliminary(1) Report on Coal Production

# September 1969

Preliminary data indicate that coal production for the month of September 1969 amounted to 849,834 tons, an increase of 9.0% from the September 1968 preliminary production figure of 779,465 tons. Landed imports were 1,545,755 tons compared with 2,332,441 tons for the same period last year.

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.



# Production and Landed Imports of Coal, by Provinces

|  | 1968   |  | 1969   |  |
|--|--|--|--|--|
|  | 1900   |  | 2303   |  |
|  | Production(2)  | Landed(1) imports  | Production(2)  | Landed(1) imports  |
|  | n  | et tons of 2,  | 000 pounds   |  |
|  |  |  |  |  |
| September  |  |  |  |  |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 238,180<br>57,120<br>-<br>-<br>135,026<br>78,996<br>204,549<br>65,594          | 43,806<br>234<br>100,151<br>2,188,250                              | 194,959<br>54,200<br>-<br>-<br>132,916<br>118,403<br>253,799<br>95,557         | 2,863<br>25,055<br>163<br>109,085<br>1,408,589                     |
| Canada totals  | 779,465  | 2,332,441  | 849,834  | 1,545,755  |
| Nine months ended September  |  |  |  |  |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 2,315,193<br>555,732<br>-<br>-<br>1,620,950<br>701,369<br>1,973,899<br>688,177 | 5,874<br>375,578<br>939<br>537,840<br>11,481,049<br>1,369<br>1,683 | 2,043,848<br>466,400<br>-<br>-<br>1,307,241<br>877,570<br>2,152,222<br>705,387 | 6,371<br>429,272<br>864<br>606,253<br>11,201,010<br>4,226<br>1,153 |
| Canada totals  | 7,855,320  | 12,404,539   | 7,552,668  | 12,249,570   |

<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.

#### 2. Coal and Coke Statistics, August 1969, Cat. No. 45-002

Coal production for the month of August 1969 amounted to 568,396 tons a decrease of 18.7% from the August 1968 production of 699,224 tons, while landed imports were 1,628,634 tons compared with 2,749,664 tons for the month of August 1968. Consumption by industrial consumers amounted to 1,039,874 tons of coal and 256,460 tons of coke, a decrease of 77,310 tons of coal and 226,920 tons of coke from last year.

Industrial consumers' stocks of coal and coke increased to 6,369,046 tons from 6,009,225 tons in August 1968.

Coke production during the month of August 1969 decreased to 252,224 tons from 439,776 tons in August 1968, while coke used in blast furnaces decreased to 125,888 tons from 346,793 tons during the same period.

#### Coal and Coke Statistics

#### August 1969

|                            |            |                | August 1969                             |                                     |  |  |  |
|----------------------------|------------|----------------|---|-------------------------------------|--|--|--|
|                            |            |                | Coal                                    |                                     |  | Co   | oke  |
|                            | Production | Landed imports | Shipments by coal operators (producers) | Consumption by industrial consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                |   | tons                                | <del></del>                                  | <u> </u>                                     |  |
| Newfoundland               | -          | -              | -                                       | _                                   | -  | -  | -  |
| Prince Edward Island       | -          | -              | -                                       | _                                   | -  | -  | _  |
| Nova Scotia                | 92,087     | 51,223         | 205,376                                 | 74,137                              | 17,050                                       | 41,242                                       | •  |
| New Brunswick              | 69,842     | 306            | 57,496                                  | 38,549                              | 49,175                                       | -  | -  |
| Quebec                     | -          | 126,634        | -                                       | 84,906                              | 219,218                                      | 57 <b>,7</b> 68                              | 119,289                                      |
| Ontario                    | **         | 1,450,187      | -                                       | 598,017                             | 5,523,289                                    | 131,480                                      | 113,156                                      |
| Manitoba                   | -          | 156            | -                                       | 20,384                              | 81,749                                       | 70   | 892  |
| Saskatchewan               | 84,794     | 88             | 85,740                                  | 66,353                              | 165,781                                      | ma   | -  |
| Alberta                    | 229,841    | -              | 216,191                                 | 150,624                             | 39,842                                       | 339  | 34   |
| British Columbia and Yukon | 91,832     | 40             | 58,460                                  | 6,904                               | 6,159  | 25,561                                       | 33,412                                       |
| Total Canada 1969          | 568,396    | 1,628,634      | 623,263                                 | 1,039,874                           | 6,102,263                                    | 256,460                                      | 266,783                                      |
| Total Canada 1968          | 699,224    | 2,749,664      | 874,748                                 | 1,117,184                           | 5,720,432                                    | 483,380                                      | 288,793                                      |



\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4 No. 70 October 30, 1969

Refined Petroleum Products, Preliminary Production, August 1969

Catalogue No. 45-004

Preliminary production figures of refined petroleum products increased 9.2% in August to 39,058,004 barrels from 35,783,467 barrels in the same month last year, according to an advance release of data that will be contained in the August issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 3.9% in August to 37,697,224 barrels from 36,290,687 barrels a year earlier. There was 9.6% more domestic crude at 21,963,447 barrels versus 20,032,521 and, 3.2% less imported crude at 15,733,777 barrels versus 16,258,166. Domestic disappearance of finished petroleum products decreased 5.1% to 37,900,617 barrels from 39,926,056 in the same month last year.



Refinery Production In Canada Of Selected Petroleum Products, August 1969

|                                  |                   |                       |            | Fuel oil        |                  | F          | Total all          | products                        |
|----------------------------------|-------------------|-----------------------|------------|-----------------|------------------|------------|--------------------|---------------------------------|
|                                  | Motor<br>gasoline | Kerosene<br>stove oil | Diesel     | Light           | Heavy            | products   | Cumulative<br>1969 | Cumulative<br>1968 <sup>r</sup> |
|                                  |                   |                       | pa         | barrels of 35 C | Canadian gallons | su         |                    |                                 |
| Newfoundland                     | (1)               | (1)                   | ı          | (1)             | (1)              | (1)        | (1)                | (1)                             |
| Maritimes                        | 1,217,660         | 127,548               | (2)        | 690,838         | 908,064          | 3,833,293  | 30,950,624         | 25,787,027                      |
| Quebec                           | 4,013,225         | 507,312               | 1,537,077  | 2,664,290       | 2,794,953        | 12,932,559 | 93,170,867         | 90,593,217                      |
| Ontario                          | 4,536,723         | 355,319               | 1,398,645  | 1,694,524       | 1,570,090        | 11,294,376 | 82,828,320         | 81,239,559                      |
| Manitoba                         | 576,669           | 64,270                | 239,775    | 32,602          | 79,046           | 1,304,434  | 10,020,937         | 10,256,678                      |
| Saskatchewan                     | 1,073,496         | 159,654               | 484,843    | 143,727         | 191,565          | 2,405,285  | 15,920,756         | 15,255,057                      |
| Alberta                          | 1,599,120         | 18,100                | 707,890    | 275,323         | 161,187          | 3,712,122  | 26,887,927         | 24,893,079                      |
| British Columbia                 | 1,493,444         | 150,387               | 903,567    | 160,936         | 306,331          | 3,492,798  | 25,059,941         | 26,854,577                      |
| North West Territories and Yukon | 5,989             | ę                     | 7,254      | 19,075          | 31,522           | 83,137     | 549,258            | 540,713                         |
| Canada totals                    | 14,516,326        | 1,382,590             | 5,279,051  | 5,681,315       | 6,042,758        | 39,058,004 | 1                  | 1                               |
| Canada cumulative 1969           | 100,830,176       | 13,093,100            | 33,496,326 | 44,601,461      | 50,920,473       | l          | 285,388,630        | 1                               |
| Canada cumulative 1968           | 97,105,572        | 13,064,187            | 32,429,219 | 43,241,049      | 48,706,939       | •          | 1                  | 275,419,907                     |
| (1) Included with Maritimes      | mes.              |                       |            |                 |                  |            |                    |                                 |

(1) Included with Maritimes. (2) Included with Quebec. r Revised figures.

NET SALES In Canada Of Selected Petroleum Products, August 1969

|                                  | Motor       | Kerosene   |            | Fuel oil      |                  | Total all  | Total all          | l products                      |
|----------------------------------|-------------|------------|------------|---------------|------------------|------------|--------------------|---------------------------------|
|                                  | 00 40       | scove oil  | Diesel     | lght          | Heavy            | products   | Cumulative<br>1969 | Cumulative<br>1968 <sup>r</sup> |
|                                  |             |            | γ̈́        | barrels of 35 | Canadian gallons | suc        |                    |                                 |
| Newfoundland                     | 217,148     | 45,748     | 218,127    | 65,807        | 416,032          | 1,107,731  | 8,508,324          | 7,859,869                       |
| Maritimes                        | 1,076,867   | 78,588     | 335,326    | 177,741       | 1,040,217        | 3,107,602  | 27,975,548         | 28,028,673                      |
| Quebec                           | 3,634,821   | 138,944    | 784,351    | 706,028       | 3,035,710        | 10,657,360 | 96,720,353         | 92,259,122                      |
| Ontario                          | 5,399,972   | 68,573     | 831,839    | 522,043       | 1,428,447        | 10,595,726 | 99,850,453         | 98,029,973                      |
| Manitoba                         | 749,779     | 12,638     | 314,841    | 16,866        | 34,892           | 1,404,189  | 10,855,782         | 10,433,668                      |
| Saskatchewan                     | 1,071,154   | 6,187      | 443,774    | 12,976        | 91,017           | 1,966,410  | 12,554,837         | 12,367,017                      |
| Alberta                          | 1,539,206   | 9,576      | 582,467    | 15,672        | 65,305           | 2,774,259  | 18,513,647         | 17,248,434                      |
| British Columbia                 | 1,591,910   | 45,741     | 672,724    | 100,613       | 414,912          | 3,616,883  | 30,542,415         | 28,483,042                      |
| North West Territories and Yukon | 29,851      | 2,067      | 117,879    | 35,462        | 28,901           | 264,769    | 1,198,298          | 870,549                         |
| Canada totals                    | 15,310,708  | 408,062    | 4,301,328  | 1,653,208     | 6,555,433        | 35,494,929 | t                  | 1                               |
| Canada cumulative 1969           | 103,574,170 | 10,946,255 | 30,099,330 | 59,719,950    | 64,328,228       | ŧ          | 306,719,657        | 1                               |
| Canada cumulative 1968           | 99,902,368  | 11,589,108 | 27,673,830 | 59,462,627    | 62,215,440       | 1          | 1                  | 295,580,347                     |
| r Revised figures.               |             |            |            |               |                  |            |                    |                                 |

IMPORTS Into Canada of Selected Petroleum Products, August 1969

|                                    | Motor                            | Kerosene                      |                                   | Fuel oil                               |  | Total all                                      |
|------------------------------------|----------------------------------|-------------------------------|-----------------------------------|--|--|--|
|                                    | gasoline                         | stove oil                     | Diesel                            | Light                                  | Heavy                                      | products                                       |
|                                    |                                  | barr                          | els of 35                         | Canadian gal                           | lons                                       |  |
| Maritimes Quebec Ontario All other | 76,820<br>253,088<br>-<br>71,544 | 10,347<br>23,689<br>190<br>17 | 91,100<br>197,624<br>-<br>118,952 | 499,686<br>715,169<br>225,046<br>1,083 | 829,794<br>1,137,648<br>140,504<br>119,655 | 1,821,856<br>3,026,263<br>1,065,206<br>408,523 |
| Canada total                       | 401,452                          | . 34,243                      | 407,676                           | 1,440,984                              | 2,227,601                                  | 6,321,848                                      |

EXPORTS Of Selected Petroleum Products, August 1969

|                    | Motor    | Kerosene  |                | Fuel oil     |        | Total all         |
|--------------------|----------|-----------|----------------|--------------|--------|-------------------|
|                    | gasoline | stove oil | Diese <b>l</b> | Light        | Heavy  | products          |
|                    |          | barr      | els of 35      | Canadian gal | lons   |                   |
|                    |          |           |                |              |        |                   |
| Maritimes          |          | en        | -              | _            |        | -                 |
| Quebec Ontario     | -        | 776       | 13,898         | 75,165       | 15,540 | 31,367<br>134,809 |
| Alberta<br>British | 800      | - '       | -              | 40           | 1,386  | 1,386             |
| Columbia           | 48,008   | -         | 26,133         | 17,591       | an.    | 99,842            |
| Canada total       | 48,008   | 776       | 40,031         | 92,756       | 16,926 | 267,404           |

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\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 71

October 31, 1969

Principal Statistics for the Crude Petroleum and Natural Gas
Industry (S.I.C. 064) 1966, by Province

Statistics for the crude petroleum and natural gas industry will be published in Catalogue 26-213 "The Crude Petroleum and Natural Gas Industry, 1966". This Publication contains data on production, value added, salaries and wages, employment, operating and capital expenditures.

In 1966 the value of marketable production of the Crude Petroleum and Natural Gas Industry amounted to \$1,092,535,000, an increase of 11.7% over 1965; total value added for the industry was \$1,059,395,000, up 11.2%; salaries and wages amounted to \$95,997,000, up 13.4%; employees increased to 12,378, up 4.7%. Alberta had 84.8% of the total employees, due in part to a large number of companies maintaining head offices in Alberta. Operating expenditures rose from \$477,857,000 in 1965 to \$544,570,000 in 1966, while capital expenditures dropped from \$522,896,000 to \$503,280,000 during the same period. Field and well expenditures accounted for 25% of the total operating expenditures, followed by royalties 24.1%, geological and geophysical 17.6%, and natural gas plants 7.5%.



Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province - 1961-66

Basis: Revised Standard Industrial Classification and New Establishment Concept

|                    | 911 (2)                        |                              |         | 598,902               | 690,075               | 796,444               | 880,828               | 1    | ,            | 1                    | 98  | (18)          | 11,158  | 200,144  | 685, 709<br>46, 529 |                  | (666)                            | 952,409 |      | 1 1          | ı                    | 78          | 10,057 | 12,631  | 210,155      | 57,787   | 85               | (524)   | 1,059,395 |
|--------------------|--------------------------------|------------------------------|---------|-----------------------|-----------------------|-----------------------|-----------------------|------|--------------|----------------------|-----|---------------|---------|----------|---------------------|------------------|----------------------------------|---------|------|--------------|----------------------|-------------|--------|---------|--------------|----------|------------------|---------|-----------|
| vity               | yees                           | Salaries<br>and<br>wages     | \$ ,000 | 71,179                | 75,325                | 76,012                | 77,306                | 1    | 1            | ŧ                    | 27  | 200           | 485     | 6,522    | 72,273              |                  | /84                              | 84,68/  |      | 1 1          | 1                    | 19          | 1.845  | 439     | 7,716        | 3,427    | 208              | 115     | 95,997    |
| Total activity     | Employees                      | Number                       |         | 11,184                | 11,232                | 11,237                | 11,242                | ı    | 1            | 1                    | 9   | 00 0          | 91      | 066      | 9,930               |                  | 79                               | 11,817  |      | 1 1          | 1                    | 101         | 273    | 65      | 1,043        | 454      | 24               | 14      | 12,378    |
| Tc                 | owners                         | With-<br>drawals             | \$,000  | ı                     | ı                     | t                     | 1                     |      |              | 1                    | 1   | 1             | 1 1     | 1        | 1 1                 |                  | 1                                | 1       |      | F            | -                    | 1           | 1 1    | 1       | 1            | 1 1      | 1                | 1       | 2         |
|                    | Working owners<br>and partners | Number                       |         | 1                     | ı                     | 1                     | 4                     |      | 1 1          | 1                    | 1   |               |         | 1        | 1 1                 |                  | ı                                | 1       |      | 1            | 1                    | 1           |        |         |              |          | 1                |         | 1         |
|                    |                                | added                        |         | 583,680               | 678,420               | 783,792               | 867,871               |      | 1 1          | 1                    | 96  | 1             | 9,350   | 198,922  | 674,262             | 4000             | 538                              | 940,331 |      | 1            |                      | 76          | 9 766  | 12,583  | 209,081      | 57,066   | 758              | 1       | 1,050,424 |
|                    | Value of                       | marketable                   |         | 608,801               | 707,837               | 818,457               | 903,573               |      | 9 1          | 1 1                  | 105 | 1             | 9,855   | 207,627  | 701,510             | 70.04            | 633                              | 978,135 |      | ı            | 1 /                  | 97          | 10 170 | 13,057  | 219,619      | 790, 332 | 0000             | 1       | 1,092,535 |
| activity           | Cost of                        | materials, supplies and fuel | \$1000  | 15,218                | 18,180                | 21,331                | 22,171                |      | 1            | 1 1                  | 6   | 1             | 385     | 3,951    | 18,308              | (42)             | 95                               | 23,724  |      | 1            | 1 1                  | 8           | 1 00   | 192     | 5,389        | 21,856   | 124              | 1 1     | 29,159    |
| Producing activity | Cost of                        |                              |         | 9,903                 | 11,237                | 13,334                | 13,531                |      | ,            | 1 1                  | - 6 | ı             | 120     | 4,754    | 8,940               | ŀ                | 1                                | 14,080  |      | ı            | 4                    | 1           | 1 0    | 282     | 5,149        | 7,400    |                  | 1       | 12,952    |
|                    | nd                             | Wages                        |         | 18,338                | 19,542                | 19,280                | 18,884                |      | ı            | , ,                  | 27  | 1             | 1,209   | 3,019    | 13,937              | 106              | 240                              | 19,689  |      | 1            | t                    | 19          | 1 0    | 311     | 3,430        | 15,469   | î                | 69      | 21,914    |
|                    | Production and related workers | Man-<br>hours<br>paid        | 000,    | 7,334                 | 7,396                 | 7,075                 | 7,236                 |      | 1            | 1 1                  | 16  | 1             |         |          | 4,                  |                  | 95                               | 7,050   |      | 1            | 1                    | 10          | 8 0    | 330     |              | 4,910    |                  | 23      | 7,027     |
|                    | Prod                           | Number                       |         | 3,464                 | 3,490                 | 3,378                 | 3,302                 |      | 1            | F 1                  | - 9 |               | 226     | 503      | 2,283               | 14/              | 34                               | 3,262   |      | 1            | 1                    | . 5         | 1 1    | 159     |              | 2,359    |                  | 0 00    | 3,375     |
|                    | Estab-                         | ments                        | No.     | 632                   | 621                   | 624                   | 979                   |      | 1            | 1                    |     | 1 m           | 107     | 139      | 233                 | 75               | 56                               | 675     |      | 1            | 1                    | . m         | 4      | 95      | 132          | 224      |                  | 16      | 879       |
|                    | Year                           | ana<br>province              |         | <u>1961</u><br>Totals | <u>1962</u><br>Totals | <u>1963</u><br>Totals | <u>1964</u><br>Totals | 1965 | Newfoundland | Prince Edward Island |     | New Brunswick | Ontario | Manitoba | Alberta             | British Columbia | Islands, Offshore and Hudson Bay | Totals  | 1966 | Newfoundland | Prince Edward Island | Nova Scotia |        | Ontario | Saskatchewan |          | British Columbia | Islands | Totals    |

\$5.00 A YEAR

Publications

Catalogue No. 57-002 Vol. 4, No. 72

1969

November 10, 1969

# Preliminary Electric Energy Statistics, September 1969 Catalogue No. 57-001

Net generation of electric energy increased 10.8% to 15,147,629 thousand kwh. in September 1969 from 13,669,321 thousand kwh. in September 1968. There were increases in net generation in all provinces, the largest occuring in British Columbia (30.4%) and New Brunswick (28.6%). In September, as has been the case in previous months, favourable water conditions resulted in hydro generation increasing 12.4%, while thermal generation increased 5.8%.

Imports decreased 52.0% and exports increased 85.1% compared with September 1968. Firm energy consumption increased 8.5%.

Total generation for the twelve month period ending September 30, 1969 amounted to 186,691,895 thousand kwh. compared with 185,213,589 thousand kwh. ending in August.

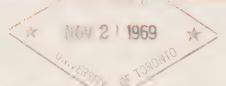
Seasonally adjusted, net generation in September amounted to 16,288 million kwh. compared with 15,894 million kwh. in August and 15,886 million kwh. in July. Firm energy consumption amounted to 15,838 million kwh. on a seasonally adjusted basis, up from 15,428 million kwh. in August and 15,581 million kwh. in July.

# Preliminary Electric Energy Statistics (thousand Kwh)

|                                 |            | September  |            |
|---------------------------------|------------|------------|------------|
|                                 | 1967       | 1968       | 1969       |
|                                 |            |            |            |
|                                 |            |            |            |
| Net generation - Hydro          | 9,776,891  | 10,348,752 | 11,633,768 |
| Thermal                         | 2,887,559  | 3,320,569  | 3,513,861  |
|                                 |            |            |            |
| Total net generation            | 12,664,450 | 13,669,321 | 15,147,629 |
|                                 |            |            |            |
| Energy imported from U.S.A      | 348,200    | 347,934    | 166,866    |
|                                 |            |            |            |
| Energy exported to U.S.A.:      |            |            |            |
| Firm                            | 57,647     | 58,499     | 67,309     |
| Secondary                       | 233,336    | 215,844    | 440,489    |
|                                 |            |            |            |
| Total exported to U.S.A         | 290,983    | 274,343    | 507,798    |
|                                 |            |            |            |
| Net energy used in Canada       | 12,721,667 | 13,742,912 | 14,806,697 |
|                                 |            |            |            |
| Secondary energy used in Canada | 105,973    | 198,283    | 109,090    |
|                                 |            |            |            |
| Firm energy used in Canada      | 12,615,694 | 13,544,629 | 14,697,607 |
| Revised figures.                |            |            |            |

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 73



November 17, 1969

Governn Publication

Selected Electric Power Statistics, 1968, Cat. No. 57-202

Production and Disposal of Electric Energy in 1968

Production of electric energy in 1968 amounted to 176,378,275,000 kwh., up 6.5% from the 1967 total of 165,624,823,000 kwh. according to an advance release of data that will be contained in the 1968 issue of the annual DBS report "Electric Power Statistics Vol. II Annual Statistics." Generation by utilities in 1968 rose 7.9% to 143,883,385,000 kwh. from 133,300,968,000 kwh. in the preceding year and generation by industrial establishments - mainly for use in own plants - increased 0.5% to 32,494,890,000 from 32,323,855,000 kwh.

Electric energy made available in Canada in 1968 aggregated 176,841,200,000 kwh. (up 6.7% from the 1967 total of 165,811,984,000 kwh.). Imports rose 6.5% to 4,451,239,000 kwh. while exports dropped slightly by 0.1% to 3,988,314,000 kwh.

Sales to ultimate customers and to industrial establishments with generating facilities increased 8.3% to 135,654,855,000 kwh. from the 1967 total of 125,239,098,000 kwh. Total revenue from these sales amounted to \$1,472,567,000 up 10.9% from the total of \$1,327,512,000 in 1967. The revenue per kwh. for domestic and farm service was 1.48¢ compared with 1.45¢ in 1967 and 1.60¢ in 1960. At the same time, average annual consumption per domestic and farm customer rose to 6,571 kwh. from 6,261 kwh. in 1967 and 4,489 kwh. in 1960.

Wages and salaries (excluding construction employees) paid by the electric utility industry amounted to \$348,216,000 in 1968, an increase of 10.6% over the \$314,898,000 in 1967. During the same period the number of employees rose 0.4% to 44,058 from 43,866.

- 2 -

Selected Electric Power Statistics, 1968

|                       | Inst      | Installed generating capacity | gul    |           | Generation       |         | Energy                 |
|-----------------------|-----------|-------------------------------|--------|-----------|------------------|---------|------------------------|
|                       | Utilities | Industrials                   | Total  | Utilities | Industrials      | Total   | available<br>in Canada |
|                       | thou      | usand kilowatts               | E S    | mill      | million kilowatt | hours   |                        |
|                       |           |                               |        |           | aphaevitivos     |         |                        |
| CANADA                | 30,599    | 5,309                         | 35,908 | 143,883   | 32,495           | 176,378 | 176,841                |
| Newfoundland          | 845       | 91                            | 936    | 3,421     | 393              | 3,814   | 3,733                  |
| Prince Edward Island  | 77        | ı                             | 77     | 199       | ł                | 199     | 199                    |
| Nova Scotia           | 628       | 78                            | 706    | 2,667     | 395              | 3,062   | 3,176                  |
| New Brunswick         | 977       | 125                           | 1,102  | 3,605     | 594              | 4,199   | 3,721                  |
| Onebec                | 9,418     | 2,383                         | 11,801 | 49,117    | 16,013           | 65,130  | 60,551                 |
| Ontario               | 10,711    | 909                           | 11,316 | 53,437    | 3,030            | 26,467  | 61,145                 |
| Manitoba              | 1,531     | 21                            | 1,552  | 6,705     | 73               | 6,778   | 7,282                  |
| Saskatchewan          | 1,208     | 45                            | 1,253  | 7,660     | 217              | 4,877   | 4,401                  |
| Alberta               | 1,891     | 159                           | 2,050  | 7,119     | 633              | 7,752   | 7,753                  |
| British Columbia      | 3,223     | 1,778                         | 5,001  | 12,624    | 11,086           | 23,710  | 24,490                 |
| Yukon                 | 35        | 15                            | 50     | 117       | 20               | 137     | 137                    |
| Northwest Territories | 55        | 6                             | 79     | 212       | 41               | 253     | 253                    |
|                       |           |                               |        |           |                  |         |                        |

|  | Used in         | ă               | Domestic and | farm service | 0)      | General service<br>(commercial) | service<br>sial) |                       | Power sales   | sales                                   |                           | Total sales<br>to ultimate<br>customers(1)<br>and industrial | Total sales to ultimate ustomers(1) d industrial |
|--|-----------------|-----------------|--------------|--------------|---------|---------------------------------|------------------|-----------------------|---------------|---|---------------------------|--|--|
|  |                 | Sales           | 99           | Kwh.         | Revenue | Sales                           | on<br>o          | To ultimate customers | imate<br>mers | To industrial est. with generating fac. | strial<br>with<br>ng fac. | establishments with generatin facilities                     | establishments<br>with generating<br>facilities  |
|  | Million<br>kwh. | Million<br>kwh. | \$           | customer     | kwh.    | Million<br>kwh.                 | \$               | Million<br>kwh.       | \$            | Million<br>kwh.                         | \$\$                      | Million<br>kwh.  | \$   |
| Canada                                 | 45,627          | 37,780          | 560,671      | 6,571        | 1.48    | 19,632                          | 326,658          | 58,066                | 463,858       | 18,860                                  | 86,527                    | 135,655  | 1,472,567  |
| Newfoundland                           | 1,488           | 390             | 8,044        | 4,002        | 2.06    | 365                             | 8,246            | 1,287                 | 7,626         | 1,174                                   | 5,458                     | 3,231  | 30,097   |
| Prince-Edward-<br>Island               | 1               | 82              | 2,572        | 3,305        | 3.14    | 57                              | 1,886            | 37                    | 209           | ı                                       | 1                         | 177  | 5,188  |
| Nova Scotia                            | 716             | 886             | 19,448       | 907*7        | 2.20    | 769                             | 16,911           | 545                   | 7,999         | 345                                     | 2,384                     | 2,499  | 48,347   |
| New Brunswick                          | 1,182           | 799             | 17,300       | 4,179        | 2.60    | 374                             | 7,385            | 1,125                 | 13, 339       | 743                                     | 4,323                     | 2,930  | 43,768   |
| Onepec                                 | 18,848          | 10,766          | 148,927      | 6,659        | 1.38    | 4,653                           | 76,509           | 21,611                | 157,904       | 7,539                                   | 24,682                    | 44,991   | 417,516  |
| Ontario                                | 9,270           | 15,561          | 207,471      | 7,301        | 1.33    | 8,022                           | 106,306          | 22,267                | 172,894       | 902'9                                   | 37,148                    | 53,005   | 535,205  |
| Manitoba                               | 758             | 2,114           | 26,719       | 8,062        | 1.26    | 912                             | 14,246           | 2,750                 | 21,135        | 2                                       | 41                        | 5,858  | 64,189   |
| Saskatchewan                           | 225             | 1,384           | 30,223       | 5,115        | 2.18    | 398                             | 9,706            | 1,812                 | 25,791        | m                                       | 35                        | 3,632  | 904,406  |
| Alberta                                | 1,063           | 1,876           | 33,607       | 4,859        | 1.79    | 1,411                           | 30,364           | 2,368                 | 25,846        | 196                                     | 1,237                     | 5,981  | 94,472   |
| British Columbia                       | 12,015          | 4,012           | 64,834       | 6,768        | 1.62    | 2,691                           | 52,175           | 4,066                 | 28,466        | 2,150                                   | 11,207                    | 13,046   | 159,586  |
| Yukon                                  | 19              | 18              | 522          | 6,524        | 2.95    | 19                              | 696              | 77                    | 1,096         | \$                                      | 1                         | 115  | 2,637  |
| Northwest Terri-<br>tories             | 43              | 27              | 1,004        | 6,258        | 3.73    | 36                              | 1,955            | 124                   | 1,155         | 2                                       | 12                        | 190  | 4,156  |
| (1) Includes estes for otrest lighting | For otheroot    | 14 ohter        |              |              |         |                                 |                  |                       |               |   |                           |  |  |

(1) Includes sales for street lighting. -- Amount too small to be expressed.



\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4 No. 74

November 21, 1969

Preliminary(1) Report on Coal Production

October 1969

Preliminary data indicate that coal production for the month of October amounted to 1,072,513 tons, an increase of 9.8% from the 1968 preliminary production figure of 976,917 tons. Landed imports were 1,904,035 tons compared with 1,912,732 tons for the same period last year.

(1) Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.

# Production and Landed Imports of Coal, by Provinces

|  | 1968   |  | 1969   |  |
|--|--|--|--|--|
|  | Production(2)  | Landed(1) imports  | Production(2)  | Landed(1) imports  |
|  | n  | et tons of 2,  | 000 pounds   |  |
|  |  |  | 1  | 4  |
|  |  |  |  |  |
| October  |  |  |  |  |
|  |  |  |  |  |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 296,631<br>74,575<br>-<br>-<br>182,446<br>83,430<br>262,807<br>77,028          | 2,985<br>55,382<br>369<br>93,507<br>1,760,286<br>203                 | 218,388<br>48,200<br>-<br>-<br>236,656<br>124,485<br>339,079<br>105,705          | 53,975<br>645<br>129,170<br>1,719,821<br>307                         |
| Canada totals  | 976,917  | 1,912,732  | 1,072,513  | 1,904,035  |
| Ten months ended October  Newfoundland   | 2,611,824<br>630,307<br>-<br>-<br>1,803,396<br>784,799<br>2,236,706<br>765,205 | 8,859<br>430,960<br>1,308<br>631,347<br>13,241,335<br>1,572<br>1,683 | 2,262,236<br>514,600<br>-<br>-<br>1,543,897<br>1,002,055<br>2,491,301<br>811,092 | 6,371<br>483,247<br>1,509<br>735,423<br>12,920,831<br>4,533<br>1,153 |
| Canada totals  | 8,832,237  | 14,317,271   | 8,625,181  | 14,153,605   |
| (1) Supplied by the Dominion C   | and Panada da a  | ot managemil   | a source suitable fi   | 244400   |

<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.

ENERGY

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 75

Nov. 24, 1969

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| 2. | Sales of Natural Gas September 1969,     |      |
|    | Cat. No. 55-002                          | 2    |

# 1. Oil Pipe Line Transport, September 1969, Cat. No. 55-001

Net receipts of crude oil condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during September increased 10.6 per cent to 1,870,900 B/D from 1,691,100 B/D for the same period of the preceding year; domestic oils amounted to 1,467,800 B/D (up 7.1 per cent) and imported oils were 403,100 B/D (up 25.9 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 9.3 per cent to 1,881,800 B/D from 1,722,000 B/D last year. Included in the month's deliveries were 1,277,500 B/D to domestic points (up 10.5 per cent) and 604,300 B/D for export (up 6.7 per cent).

For the nine-month period, net receipts of all commodities were 1,817,400 B/D, an increase of 7.0 per cent over the same period of 1968; deliveries rose 7.0 per cent, to 1,814,900 B/D. The imports by pipeline for the period increased to 386,400 B/D while the exports of the same commodities rose to 553,100 B/D, an increase of 5.7 per cent and 17.0 per cent, respectively.

Total traffic for September amounted to 27,059 million barrel miles with an average length of haul of 479.3 miles.

Oil held by Canadian pipe line systems totalled 24,951,606 barrels by the end of September. Inventories of crude oil and equivalent decreased by 124,410 barrels, while inventories held in Canada and the United States decreased by 275,185 barrels.

## Oil Pipe Line Supply and Disposition

|                             |                                | Septemb                                  | er 1969          |  | Year to d        | ate 1969                                |
|-----------------------------|--------------------------------|--|------------------|--|------------------|---|
| Supply<br>and<br>Dispostion | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>Volume  | %<br>change<br>from<br>September<br>1968 | Total<br>Volume  | %<br>change<br>from<br>previous<br>year |
|                             |                                |  | '000 barre       | ls per day                               |                  |   |
| Net receipts                |                                |  |                  |  |                  |   |
| Domestic                    | 1,244.9<br>396.7               | 222.9                                    | 1,467.8<br>403.1 | + 7.1<br>+ 25.9                          | 1,431.0<br>386.4 | + 7.4<br>+ 5.7                          |
| Total net receipts          | 1,641.6                        | 229.3                                    | 1,870.9          | + 10.6                                   | 1,817.4          | + 7.0                                   |
|                             |                                |  |                  |  |                  |   |
| Net deliveries              |                                |  |                  |  |                  |   |
| Domestic                    | 1,062.6<br>588.7               | 214.9<br>15.6                            | 1,277.5<br>604.3 | + 10.5<br>+ 6.7                          | 1,261.8<br>553.1 | + 3.2 + 17.0                            |
| Total net deliveries        | 1,651.3                        | 230.5                                    | 1,881.8          | + 9.3                                    | 1,814.9          | + 7.0                                   |
| Inventory change (barrels)  | - 275,185                      | - 38,899                                 | - 314,084        | -  | 677,828          | -                                       |

### 2. Sales of Natural Gas September 1969, Catalogue No. 55-002

Total sales of natural gas to Canadian consumers for September were 49,110,897 Mcf. This was an increase of 6.7% over the same month last year. Revenue from sales was \$26,569,397.

Sales for the first nine months of 1969 were 612,731,233 Mcf. an increase of 10.5% over the first nine months last year. Exports over the same period rose to 488,305,938 Mcf., an increase of 11.6%, while imports were 29,630,818 Mcf., a decrease of 56.2%. Domestic revenues were up 7.0%, and export revenues were up 14.3%.

Sales of Natural Gas, September 1969

|   | Custome  | rs   |  |   |
|---|--|--|--|---|
|   | Space heating  | Total  | Gas sold   | Revenue   |
|   | No.  |  | Mcf.   | \$  |
| Residential   |  |  |  |   |
| New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                                | 130<br>104,093<br>572,640<br>107,611<br>119,412<br>264,004<br>183,311<br>1,351,201 | 1,669<br>204,430<br>707,303<br>109,859<br>121,828<br>266,688<br>205,271<br>1,617,048 | 1,979<br>695,082<br>2,196,974<br>351,558<br>397,025<br>1,745,328<br>1,007,462<br>6,395,408               | 7,283 1,598,023 3,124,203 434,519 551,134 1,327,201 1,340,779 8,383,142                             |
| Commercial  New Brunswick  Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                   |  | 66<br>10,352<br>65,287<br>10,540<br>16,719<br>31,030<br>26,621<br>160,615            | 1,475<br>287,549<br>2,654,368<br>263,285<br>220,365<br>1,911,757<br>699,631<br>6,038,430                 | 3,335<br>248,052<br>2,520,805<br>201,751<br>182,284<br>771,449<br>654,374<br>4,582,050              |
| Industrial New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada  Firm Interruptible |  | 2,058<br>8,183<br>300<br>630<br>931<br>345<br>12,447                                 | 3,000,246<br>13,710,300<br>1,390,284<br>3,276,329<br>10,384,820<br>4,913,904<br>36,675,883<br>28,366,903 | 1,371,845<br>7,260,902<br>402,464<br>853,720<br>1,851,634<br>1,863,640<br>13,604,205                |
| interruptible   |  | 639  | 8,308,980  | 3,243,202   |
| Total sales  New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                   |  | 1,735<br>216,840<br>780,773<br>120,699<br>139,177<br>298,649<br>232,237<br>1,790,110 | 3,454<br>3,982,877<br>18,561,642<br>2,005,127<br>3,893,719<br>14,041,905<br>6,620,997<br>49,109,721      | 10,618<br>3,217,920<br>12,905,910<br>1,038,734<br>1,587,138<br>3,950,284<br>3,858,793<br>26,569,397 |
| Total exports   |  |  | 53,606,314   | 14,526,374  |
| Total imports   |  |  | 2,540,632  | 1,101,923   |



\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4 No. 76

November 28, 1969

## Coal and Coke Statistics, September 1969 Cat. No. 45-002

Coal production for the month of September 1969 amounted to 862,682 tons an increase of 11.7% from the September 1968 production of 772,518 tons, while landed imports were 1,545,755 tons compared with 2,332,441 tons for the month of September 1968. Consumption by industrial consumers amounted to 1,172,470 tons of coal and 257,246 tons of coke, an increase of 1,963 tons of coal and a decrease of 180,923 tons of coke from last year.

Industrial consumers' stocks of coal and coke increased to 6,760,254 tons from 6,661,208 tons in September 1968.

Coke production during the month of September 1969 decreased to 250,406 tons from 364,403 tons in September 1968, while coke used in blast furnaces decreased to 115,272 tons from 288,516 tons during the same period.

6503-521

.B.S. Regional Offices — St. Johns + Halifax + Montreal + Toronto + Winnipeg + Edmonton + Vancouver

# Coal and Coke Statistics September 1969

|                            |            |                   | Coal                                    |  |  | Co                                  | ke   |
|----------------------------|------------|-------------------|---|--|--|-------------------------------------|--|
|                            | Production | Landed<br>imports | Shipments by coal operators (producers) | Consumption<br>by<br>industrial<br>consumers | Stocks held<br>by<br>industrial<br>consumers | Consumption by industrial consumers | Stocks held<br>by<br>industrial<br>consumers |
|                            |            |                   |   | tons   |  |                                     |  |
| Newfoundland               | ~          | 2,863             | 07                                      | -  | -  | -                                   | 01   |
| Prince Edward Island       | -          | -                 |   |  |  | -                                   | -  |
| Nova Scotia                | 194,969    | 25,055            | 237,433                                 | 61,815                                       | 14,366                                       | 40,002                              | 40   |
| New Brunswick              | 80,082     | 163               | 56,839                                  | 30,838                                       | 58,918                                       | -                                   | 440  |
| Quebec                     | -          | 109,085           | 60-                                     | 95,593                                       | 246,094                                      | 63,089                              | 103,894                                      |
| Ontario                    | -          | 1,408,589         | -                                       | 652,688                                      | 5,853,829                                    | 128,467                             | 119,084                                      |
| Manitoba                   | -          | -                 | -                                       | 22,279                                       | 89,642                                       | 100                                 | 893  |
| Saskatchewan               | 132,866    | -                 | 132,137                                 | 103,686                                      | 161,234                                      | -                                   | -  |
| Alberta                    | 371,985    | •                 | 333,804                                 | 196,126                                      | 68,021                                       | 491                                 | 205  |
| British Columbia and Yukon | 82,780     | =                 | 77,335                                  | 9,445  | 5,694  | 25,097                              | 38,380                                       |
| Total Canada 1969          | 862,682    | 1,545,755         | 837,548                                 | 1,172,470                                    | 6,497,798                                    | 257,246                             | 262,456                                      |
| Total Canada 1968          | 772,518    | 2,332,441         | 867,707                                 | 1,170,507                                    | 6,378,191                                    | 438,169                             | 283,017                                      |

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Catalogue No. 57-002 Vol. 4 No. 77

Dec. 2, 1969

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### 1. Preliminary data on "Refined Petroleum Products"

Production of refined petroleum products increased 9.1% in September to 35,748,521 barrels from 32,778,825 barrels in the same month last year, according to an advance release of data that will be contained in the September issue of the DBS report "Refined Petroleum Products." Catalogue No. 45-004.

Receipts of crude oil increased 11.1% in September to 35,759,099 barrels from 32,178,296 a year earlier. There was 5.7% more domestic crude at 20,230,294 barrels versus 19,141,725 and, 19.1% more imported crude at 15,528,805 barrels versus 13,036,571. Domestic disappearance of finished petroleum products increased, 6.3% to 39,338,676 barrels from 36,997,660 in the same month last year.

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NET SALES In Canada Of Selected Petroleum Products, September 1969

|                                  | Motor       | Kerosene   |            | Fuel oil        |                     | Total all  | Total all          | Total all products |
|----------------------------------|-------------|------------|------------|-----------------|---------------------|------------|--------------------|--------------------|
|                                  | gasoline    | stove oil  | Diesel     | Light           | Heavy               | products   | Cumulative<br>1969 | Cumulative<br>1968 |
|                                  |             |            | ba         | barrels of 35 C | 35 Canadian gallons | ns         |                    |                    |
| Newfoundland                     | 204,582     | 81,797     | 241,672    | 119,806         | 366,462             | 1,133,622  | 9,691,946          | 8,927,595          |
| Maritimes                        | 932,187     | 152,907    | 336,475    | 625,751         | 1,286,532           | 3,254,019  | 31,255,922         | 31,104,591         |
| Quebec                           | 3,343,372   | 366,327    | 679,427    | 2,332,497       | 4,381,330           | 12,934,693 | 109,708,202        | 102,868,935        |
| Ontario                          | 5,049,821   | 194,525    | 863,442    | 1,217,614       | 2,086,379           | 11,120,935 | 110,780,259        | 108,723,845        |
| Manitoba                         | 821,274     | 41,361     | 273,436    | 53,171          | 57,172              | 1,485,866  | 12,341,648         | 11,815,059         |
| Saskatchewan                     | 1,204,828   | 62,843     | 353,170    | 46,089          | 23,891              | 1,948,018  | 14,493,527         | 14,108,131         |
| Alberta                          | 1,551,272   | 20,335     | 504,112    | 39,117          | 40,829              | 2,516,134  | 21,017,381         | 19,653,735         |
| British Columbia                 | 1,442,358   | 84,282     | 683,323    | 269,049         | 495,1.13            | 3,615,437  | 34,049,519         | 31,828,014         |
| North West Territories and Yukon | 27,970      | 4,214      | 128,686    | 20,781          | 17,896              | 235,860    | 1,434,158          | 1,126,155          |
| Canada totals                    | 14,577,664  | 1,008,591  | 4,063,743  | 4,723,875       | 8,755,604           | 38,354,584 | 1                  | t                  |
| Canada cumulative 1969           | 118,153,966 | 11,955,755 | 34,140,938 | 64,889,204      | 73,228,913          |            | 344,772,562        | •                  |
| Canada cumulative 1968           | 113,282,538 | 12,410,527 | 31,571,096 | 62,996,003      | 69,769,789          |            |                    | 330,156,060        |

Refinery Production In Canada Of Selected Petroleum Products, September 1969

|                                  |                   |                       |            | Fuel oil                       |               | 100        | Total all          | products                        |
|----------------------------------|-------------------|-----------------------|------------|--------------------------------|---------------|------------|--------------------|---------------------------------|
|                                  | Motor<br>gasoline | Kerosene<br>stove oil | Diesel     | Light                          | Heavy         | products   | Cumulative<br>1969 | Cumulative<br>1968 <sup>r</sup> |
|                                  |                   |                       | pşq        | barrels of 35 Canadian gallons | anadian gallo | suc        |                    |                                 |
| Newfoundland                     | (1)               | (1)                   | 1          | (1)                            | (1)           | (1)        | (1)                | (1)                             |
| Maritimes                        | 1,154,604         | 201,240               | (2)        | 700,871                        | 860,623       | 3,632,095  | 34,582,719         | 28,107,501                      |
| Quebec                           | 3,821,715         | 373,963               | 1,023,409  | 2,728,582                      | 2,381,455     | 11,664,824 | 104,835,691        | 101,403,125                     |
| Ontario                          | 4,522,282         | 290,592               | 908,475    | 1,643,717                      | 1,758,817     | 10,121,972 | 92,949,600         | 90,861,386                      |
| Manitoba                         | 567,723           | 24,796                | 190,856    | 122,248                        | 88,348        | 1,250,899  | 11,254,358         | 11,503,697                      |
| Saskatchewan                     | 1,119,809         | 145,181               | 285,901    | 162,594                        | 185,118       | 2,201,218  | 18,088,052         | 17,171,366                      |
| Alberta                          | 1,478,848         | 22,904                | 630,110    | 225,122                        | 144,828       | 3,278,716  | 30,050,237         | 28,217,350                      |
| British Columbia                 | 1,260,744         | 177,724               | 873,285    | 131,051                        | 341,904       | 3,520,108  | 28,784,349         | 30,319,384                      |
| North West Territories and Yukon | 16,451            | g                     | 18,933     | 6,034                          | 21,563        | 78,689     | 620,783            | 614,923                         |
| Canada totals                    | 13,942,176        | 1,236,400             | 3,930,969  | 5,720,219                      | 5,782,656     | 35,748,521 | t                  | 1                               |
| Canada cumulative 1969           | 114,772,352       | 14,329,500            | 37,427,295 | 50,321,680                     | 56,703,129    | I          | 321,165,789        | f                               |
| Canada cumulative 1968           | 109,205,372       | 14,037,479            | 36,542,167 | 47,486,707                     | 54,031,312    |            | 1                  | 308,198,732                     |
| (1) Included with Maritimes      | imes.             |                       |            |                                |               |            |                    |                                 |

Included with Maritimes.
 Included with Quebec.
 Revised figures.

## IMPORTS Into Canada of Selected Petroleum Products, September 1969

|                                    | Motor                            | Kerosene                        |           | Fuel oil                           |  | Total all                                  |
|------------------------------------|----------------------------------|---------------------------------|-----------|------------------------------------|--|--|
|                                    | gasoline                         | stove oil                       | Diesel    | Light                              | Heavy                                      | products                                   |
|                                    |                                  | barr                            | els of 35 | Canadian gal                       | lons                                       |  |
|                                    |                                  |                                 |           |                                    |  |  |
| Maritimes Quebec Ontario All other | 41,899<br>149,364<br>-<br>19,799 | 16,099<br>303,208<br>426<br>269 | 241,561   | 227,602<br>649,114<br>1,148<br>155 | 225,947<br>1,890,111<br>321,213<br>236,461 | 547,064<br>4,112,641<br>778,337<br>466,351 |
| Canada total                       | 211,062                          | 320,002                         | 364,653   | 878,019                            | 2,673,732                                  | 5,904,393                                  |

EXPORTS Of Selected Petroleum Products, September 1969

|  | Motor                           | Kerosene           |           | Fuel oil     |                          | Total all                          |
|--|---------------------------------|--------------------|-----------|--------------|--------------------------|------------------------------------|
|  | gasoline                        | stove oil          | Diesel    | Light        | Heavy                    | products                           |
|  |                                 | barr               | els of 35 | Canadian gal | lons                     |                                    |
| Maritimes Quebec Ontario Saskatchewan Alberta British Columbia | 77,390<br>-<br>-<br>-<br>43,488 | -<br>921<br>-<br>- | 21,760    | 70,651       | 162,908<br>-<br>-<br>696 | 192,302<br>189,732<br>1,097<br>696 |
| Canada total   | 120,878                         | 921                | 37,009    | 94,251       | 163,604                  | 487,610                            |

### 2. Crude Petroleum and Natural Gas Production Cat. No. 26-006

#### August 1969

According to preliminary data, the production of crude petroleum and equivalent drocarbons during August 1969 amounted to 39,123,369 barrels (1,262,044 barrels or day) an increase of 6.6 per cent or 77,956 barrels per day from August 1968.

Preliminary figures of natural gas net new production in August 1969 indicate increase of 15.6 per cent to 168,152,694 Mcf. from 145,476,096 Mcf. in August 1968.

TABLE 1. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada, August 1969

|  | New<br>Brunswick | Ontario | Manitoba | Saskat-<br>chewan | Alberta                                 | British<br>Columbia | Northwest<br>Territories | Total<br>Canadian<br>sources     | Total<br>Foreign<br>sources | Total<br>all<br>sources  |
|--|------------------|---------|----------|-------------------|---|---------------------|--------------------------|----------------------------------|-----------------------------|--|
| Supply   |                  |         |          |                   | barrels of 35                           | Canadian gallons    | lons                     |                                  |                             |  |
| Domestic production Crude oil Synthetic crude oil Less returned to formation | 798              | 95,753  | 533,824  | 7,773,526         | 24,787,195<br>974,710<br>334,463        | 2,233,089           | 110,713                  | 35,534,898<br>974,710<br>343,659 | • • •                       | 35,534,898<br>974,710<br>343,659   |
| Totals   | 798              | 95,753  | 533,824  | 7,773,526         | 25,427,442                              | 2,233,089           | 101,517                  | 36,165,949                       |                             | 36,165,949   |
| Condensate   | 1 [              | 1 1     | 1 1      | 24,527            | 60,561 2,795,872                        | 6,063               | l t                      | 66,624                           | • •                         | 66,624   |
| Net withdrawals  | 798              | 95,753  | 533,824  | 7,798,053         | 28,283,875                              | 2,309,549           | 101,517                  | 39,123,369                       |                             | 39,123,369   |
| Imports  | •                | :       | •        |                   | •                                       | •                   |                          |                                  | 16,162,620                  | 16,162,620   |
| Total supply   | 798              | 95,753  | 533,824  | 7,798,053         | 28,283,875                              | 2,309,549           | 101,517                  | 39,123,369                       | 16,162,620                  | 55,285,989   |
| Disposition  |                  |         |          |                   |   |                     |                          |                                  |                             |  |
| Deliveries to refineries Atlantic Provinces                                  | ı                | 1       | 1        | 4                 | ı                                       | ı                   | ı                        | 1                                | 200                         | 267 500  |
| Quebec   | 1                | - 20    | 1 1 1    | 1 1 1             | 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1                   | 1 1                      | 1 1                              | 12,443,190                  | 12,443,190   |
| Manitoba   | i 6              | 10,10   | 16,353   | 603,122           | 5,956,940                               | 1 1                 | 1 1                      | 11,159,822                       | 83,630                      | 11,243,452   |
| Alberta  | 1 1              | 1 1     | 1 1      | 180,345           | 2,199,501                               | ı                   | t                        | 2,379,846                        | 1                           | 2,379,846  |
| British Columbia   | 1 1              | 1 1     | 1 1      | 1 1               | 1,489,805                               | 2,185,289           | 76.073                   | 3,675,094                        | E 9 1                       | 3,448,733  |
| Totals   | 1                | 95,753  | 573,923  | 5,333,026         | 13,745,276                              | 2,185,289           | 76,073                   | 22,009,340                       | 16,163,103                  | 38.172.443   |
| Exports to U.S.A.  |                  |         |          |                   |   |                     |                          |                                  |                             | 00,172,140   |
| Petroleum Administration<br>District I                                       | 1 1              | 1 1     | t f      | 40,584            | 2,316,632                               | 1 1                 | ,                        | 2,357,216                        | ı                           | 2,357,216  |
| N A  | 1 1              | 1 1     | 1 1      |                   | 849,428<br>6,894,041                    | 237,958             | 1 1                      | 849,428<br>7,131,999             | \$ 8 E                      | 7,131,999  |
| Totals   | 1                | ,       | 1        | 2,486,946         | 14,882,066                              | 237,958             | ,                        | 17,606,970                       |                             | 17,606,970   |
| Inventories Opening - Field and plant  | 2,950            | 1       | 68.302   | 000 077           | 1 80%, 501                              | 37,005              | 000                      | 010                              |                             |  |
| Closing - Field and plant  | 7 873            | t       | 156,348  | 5,525,508         | 27,116,412                              | 1,383,548           | 22,030                   | 2, 334, 3/8                      | 359,835                     | 2,334,378  |
| Transporters   | 2, 1             |         | 112,777  | 5,477,589         | 26,917,339                              | 1,322,192           | 78,054                   | 2,289,760                        | 359,835                     | 2,289,760 34,189,732   |
| Net change   | - 127            | ı       | - 40,628 | - 27,919          | - 299,152                               | - 54,135            | 25,424                   | - 396,537                        | ,                           | - 396,537  |
| Deliveries to other purchasers   | 925              | 1       | r        | 1                 | 5,512                                   | 100                 | 20                       | 6,557                            | 1                           | 6,557  |
| Field and plant use  | 1 1              | 1 1     | 1 1      | 6,000             | 13,035                                  | 1 1                 | 1 1                      | 13,035                           | ŧi                          | 13,035   |
| Losses and adjustments   | 1                | 1       | 529      | 1                 | - 110,926                               | - 59,663            | •                        | - 170,060                        | - 483                       | - 170,543  |
| Total disposition  | 798              | 95,753  | 533,824  | 7,798,053         | 28, 283, 875                            | 2,309,549           | 101,517                  | 39,123,369                       | 16,162,620                  | 55, 285, 989   |
| Figures not appropriate or not an  | nnlicable        |         |          |                   |   |                     |                          |                                  |                             | Participant of the last of the |

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, August 1969

|       |  | New<br>Brunswick | Quebec | Ontario | Saskatchewan       |
|-------|--|------------------|--------|---------|--------------------|
| 0.    |  |                  | Mcf.   |         |                    |
|       | A. FIELD AND PROCESSING PLANTS                           | l l              | 1      |         |                    |
|       | Supply   |                  |        |         |                    |
| l Gr  | oss new production                                       | 6,716            | 9,171  | 780,767 | 4,654,225          |
|       | Less field flared and waste                              | -                | -      | -       | 964,022            |
| Ne    | t new production (1 - 2)                                 | 6,716            | 9,171  | 780,767 | 3,690,203          |
|       | produced   | -                | -      | -       | -                  |
|       | Net withdrawals  | 6,716            | 9,171  | 780,767 | 3,690,203          |
|       | NET WITHITAWAIS  |                  |        |         |                    |
|       | Disposition  |                  |        |         |                    |
|       | eld disposition and uses                                 | 92               | -      | -       | 302,359<br>73,458  |
|       | thering system disposition and uses                      | -                | •      | -       |                    |
| a :   | Processing shrinkage                                     | -                | -      | -       | 190,401<br>226,759 |
| b Oti | Other disposition and usesher uses                       | -                |        | -       | 119,352            |
| Ad    | justment   | 6,624            | 9,171  | 780,767 | 2,777,874          |
|       | Total disposition  | 6,716            | 9,171  | 780,767 | 3,690,203          |
|       |  |                  |        |         |                    |
|       | B. GAS UTILITIES   |                  |        |         |                    |
|       | <u>Supply</u>  |                  |        |         |                    |
|       | ceipts of marketable gas                                 |                  |        |         | 1,622,481          |
|       | PlantsFields   | 6,624            | 9,171  | 780,767 | 1,155,393          |
|       | Total (14a + 14b)  | 6,624            | 9,171  | 780,767 | 2,777,874          |
| Re    | ceipts from distributor storage                          | -                | -      | 103,684 | 23,491             |
|       | ports  | -                | -      | -       |                    |
|       | her receipts(1)  | -                |        |         |                    |
|       | Total supply of marketable gas<br>(15 + 16 + 17 + 17a)   | 6,624            | 9,171  | 884,451 | 2,801,365          |
| 8     |  |                  |        |         |                    |
|       | Disposition  |                  |        |         |                    |
| Sa    | les  |                  |        |         |                    |
|       | British Columbia   | -                | -      | -       | -                  |
|       | Alberta  | -                |        |         | 180,344            |
|       | Manitoba   | -                | -      | -       | -                  |
|       | Ontario  | -                | - 1    | 766,209 | -                  |
|       | Quebec   | 2 (10            | 9,171  | -       | -                  |
|       | New Brunswick  | 3,610            | -      | -       | -                  |
|       | Total sales (19 to 25 inclusive)                         | 3,610            | 9,171  | 766,209 | 180,34             |
| Ex    | ports  | -                | -      | -       | •                  |
| De    | her deliveries(2)livered to distributor storage          |                  |        |         | 785,53             |
| Pi    | peline line pack fluctuation                             |                  | -      |         | 238,91             |
| Pi    | peline fuel  | -                | -      | 30,200  | 1,171,33           |
| P1    | peline losses etc  | 3,014            | -      | 88,042  | 425,24             |
|       | Total disposition of marketable gas (26 to 32 inclusive) | 6,624            | 9,171  | 884,451 | 2,801,36           |

(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, August 1969

| Alberta                 | British<br>Columbia     | Northwest<br>Territories | Total<br>Canadian<br>sources | Total<br>Foreign<br>sources | Total<br>all<br>sources |    |
|-------------------------|-------------------------|--------------------------|------------------------------|-----------------------------|-------------------------|----|
|                         |                         | Mcf.                     |                              |                             |                         | N  |
|                         | 1                       | 1                        | 1                            |                             |                         |    |
|                         |                         |                          |                              |                             |                         |    |
| 146,813,330             | 23,408,235              | 95,765                   | 175,768,209                  |                             | 175,768,209             |    |
| 5,564,164               | 993,468                 | 93,861                   | 7,615,515                    |                             | 7,615,515               | -  |
| 141,249,166             | 22,414,767              | 1,904                    | 168,152,694                  | • • •                       | 168,152,694             |    |
| 14,866,363              | 764,442                 | -                        | 15,630,805                   | • • •                       | 15,630,805              |    |
| 126,382,803             | 21,650,325              | 1,904                    | 152,521,889                  |                             | 152,521,889             |    |
|                         |                         |                          |                              |                             |                         |    |
| 615 606                 | 506 269                 |                          | 1 51/ 515                    |                             | 1 51/ 515               |    |
| 615,696                 | 596,368<br>121,598      |                          | 1,514,515                    | • • •                       | 1,514,515<br>307,684    |    |
| 18,498,583              | 459,693                 | -                        | 19,148,677                   |                             | 19,148,677              |    |
| 6,724,634<br>77,146     | 2,883,817               | 1,904                    | 9,835,210<br>198,402         | • • •                       | 9,835,210<br>198,402    | 1  |
| 1,265,999<br>99,088,117 | - 623,423<br>18,212,272 | -                        | 642,576                      | • • •                       | 642,576                 | 1  |
| 126,382,803             | 21,650,325              | 1,904                    | 152,521,889                  |                             | 152,521,889             | 1  |
|                         |                         |                          |                              |                             |                         | 1  |
|                         |                         |                          |                              |                             |                         |    |
|                         |                         |                          |                              |                             |                         |    |
| 84,586,136              | 17,852,486              |                          | 104,061,103                  |                             | 104,061,103             | 1  |
| 14,501,981              | 359,786                 | *                        | 16,813,722                   |                             | 16,813,722              | 1  |
| 99,088,117              | 18,212,272              | -                        | 120,874,825                  |                             | 120,874,825             | 1  |
| 18,832                  | -                       | 600                      | 146,007                      | 3,728,265                   | 146,007<br>3,728,265    | 1  |
| 2,129                   | 18                      | -                        | 2,147                        | 3,720,203                   | 2,147                   | 1  |
|                         |                         |                          | 101 000 070                  | 2 700 065                   | 30/ 751 0//             |    |
| 99,109,078              | 18,212,290              | -                        | 121,022,979                  | 3,728,265                   | 124,751,244             | ┦, |
|                         |                         |                          |                              |                             |                         |    |
|                         |                         |                          |                              |                             |                         |    |
| 674,700                 | 4,758,422               |                          | 5,433,122                    | -                           | 5,433,122               | 1  |
| 12,631,445              | -                       | -                        | 12,631,445                   | 2,362                       | 12,633,807<br>3,437,874 | 2  |
| 3,257,530<br>1,785,559  |                         |                          | 3,437,874<br>1,785,559       | 100                         | 1,785,559               | 1  |
| 13,242,230              |                         | -                        | 14,008,439                   | 3,725,742                   | 17,734,181              | 2  |
| 3,592,519               | -                       | -                        | 3,601,690<br>3,610           | -                           | 3,601,690<br>3,610      | 2  |
| -                       | 4 759 492               | -                        | 40,901,739                   | 3,728,104                   | 44,629,843              | 2  |
| 35, 183, 983            | 4,758,422               | •                        | 52,884,506                   | 3,720,104                   | 52, 884, 506            | 2  |
| 40,845,772<br>306,840   | 12,038,734              | -                        | 306,840                      | -                           | 306,840                 | 2  |
| 17,285,654              | -                       |                          | 18,071,186                   |                             | 18,071,186              | 12 |
| 177,156                 | - 155                   | -                        | 415,911                      | -                           | 415,911                 | 3  |
| 3,963,389               | 1,053,219<br>362,070    | -                        | 6,218,145<br>2,224,652       | 161                         | 6,218,145<br>2,224,813  | 3  |
|                         | 302,010                 |                          |                              |                             |                         | -  |
| 1,346,284               |                         |                          |                              |                             |                         | 3  |



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ENERGY

## 1. Preliminary Electric Energy Statistics, October 1969 Catalogue No. 57-001

Net generation of electric energy increased 8.1% to 16,260,703 thousand kwh. in October 1969 from 15,046,589 thousand kwh. in October 1968. There were increases in net generation in all provinces except Nova Scotia, where there was a decrease of 11.7%. The largest increases occurred in Yukon Territory and New Brunswick where they amounted to 33.6% and 25.6% respectively. In October, as has been the case in previous months, favourable water conditions resulted in hydro generation increasing 12.9%, while thermal generation decreased 6.2%.

Imports decreased 44.0% and exports increased 6.1% compared with October 1968. Firm energy consumption increased 7.1%.

Total generation for the twelve month period ending October 31, 1969 amounted to 187,904,254 thousand kwh. compared with 186,690,140r thousand kwh. ending in September.

Seasonally adjusted net generation in October amounted to 16,116 million kwh. compared with 16,288 million kwh. in September and 15,894 million kwh. in August. Firm energy consumption amounted to 15,940 million kwh. on a seasonally adjusted basis, up from 15,838 million kwh. in September and 15,428 million kwh. in August.

6503-521

D.B.S. Regional Offices — St. Johns • Halifax • Montreal • Toronto • Winnipeg • Edmonton • Vancouver

### Preliminary Electric Energy Statistics

(thousand Kwh)

|                                 |            | October    |            |
|---------------------------------|------------|------------|------------|
|                                 | 1967       | 1968       | 1969       |
| Not generation - Hydro          | 10,800,738 | 11,228,557 | 12,681,118 |
| Tharmal                         | 3,157,228  | 3,818,032  | 3,579,585  |
| Total net generation            | 13,957,966 | 15,046,589 | 16,260,703 |
| Energy imported from U.S.A      | 348,934    | 357,672    | 200,343    |
| Energy exported to U.S.A.:      |            |            |            |
| Firm                            | 65,596     | 64,645     | 69,738     |
| Secondary                       | 300,840    | 295,089    | 312,052    |
| Total exported to U.S.A         | 366,436    | 359,734    | 381,790    |
| Net energy used in Canada       | 13,940,464 | 15,044,527 | 16,079,256 |
| Secondary energy used in Canada | 227,125    | 148,422    | 123,006    |
| Firm energy used in Canada      | 13,713,339 | 14,896,105 | 15,956,250 |

r Revised figures.

### Oli Fine Time Transport 1967, Catalogue No. 55-201

The ferriple into pipe lines during 1967 amounted to 573.7 million barrels, up 7.0 per cent from 536.7 million barrels in 1966. Operating revenues, \$176.3 million in 1967, increased 10.0 per cent over 1966 and operating expenses, \$42.6 million, increased 11.8 per cent.

Alleage of oil sips line systems totalled 14,155 miles, up 1,160 miles from the total for 1906 Barrel miles increased to 255 billion from the previous year's 228 billion.

Oil Pipe Line Transport - Selected Statistics

|  | 1962  | 1963                  | 1964            | 1965                          | 1966                          | 1967                          |
|--|---|-----------------------|-----------------|-------------------------------|-------------------------------|-------------------------------|
| Concumned on his Consolding well-seed      | A THE RESIDENCE AND ADDRESS OF THE PARTY OF |                       |                 |                               |                               |                               |
| 10   |   |                       |                 |                               | - Wang a management           |                               |
| Domestic production                        | 173.6   | 186.2                 | 199.5           | 208.6                         | 220.2                         | 224.4                         |
| Pipe line exports of domestic production   | 86.6  | 91.2                  | 104.2           | 110. 3                        | 129.8                         | 153.8                         |
| Net receipts into pipe lines               |   |                       |                 |                               |                               |                               |
| Crude oil (domestic)                       | 254.9   | 274.0<br>431.1        | 297.8           | 315.4<br>483.6                | 344.9                         | 376.5                         |
| Operating revenues millions of dollars     | 122.7   | 128.6                 | 138.5           | 145.8                         | 160.2                         | 176.3                         |
| Operating expenses                         | 28.1  | 30.4                  | 32.1            | 34.5                          | 38.1                          | 42.6                          |
| Net income (after income tax)              | 35.7  | 39.3                  | 46.0            | 55.5                          | 55.6                          | 0.09                          |
| Total fixed assets(1)                      | 557.7   | 582.7                 | 617.8           | 654.0                         | 723.0                         | 781.6                         |
| Long term debt                             | 309.8   | 298.8                 | 291.1           | 299.2                         | 344.2                         | 333.4                         |
| Barrel miles millions of miles             | 166,208.1   | 175,488.7             | 191,241.6       | 203,999.4                     | 228,125.5                     | 255,065.8                     |
| Pipe line mileage                          |   |                       |                 |                               |                               |                               |
| Gathering miles Trunk-crude Products lines | 3,494.3<br>5,458.3<br>1,084.7   | 3,681.55,811.51,114.4 | 3,792.2 6,257.4 | 4,055.7<br>6,564.5<br>1,694.8 | 4,314.5<br>6,986.2<br>1,694.7 | 4,533.1<br>7,927.5<br>1,694.7 |
| Totals                                     | 10,037.3  | 10,607.4              | 11,744.3        | 12,315.0                      | 12,995.4                      | 14,155.3                      |
| Average length of haul                     | 438.6   | 410.5                 | 421.7           | 424.6                         | 429.5                         | 448.2                         |
| Employees                                  |   |                       |                 |                               |                               |                               |
| Number thousands of dollars                | 1,496   | 1,501                 | 1,492           | 1,542                         | 1,437                         | 1,543                         |
| (1) Before depreciation.                   |   |                       |                 |                               |                               |                               |

|  |  | Diamete  | r of pipe in                           | inches  |  |
|--|--|--|--|---|--|
|  | 0-5.9                                      | 6-12.9   | 13-18.9                                | 19 and over   | Total  |
| Make size No. 1. And place to the second sec |  |  | miles                                  |   |  |
| Gathering lines  Efficish Colombia A Fire Saskatchewan Manitoba Canada   | 112.4<br>1,797.5<br>702.1<br>109.9         | 187.5<br>902.5<br>661.7<br>39.1<br>1,790.8             | 20.4                                   | -   | 299.9<br>2,720.4<br>1,363.8<br>149.0<br>4,533.1                      |
| Trunk lines, crude oil  British Columbia Alberta Jaskurnhewan Munitoba Ontario   | 162.9<br>22.5<br>-<br>-<br>185.4           | 570.0<br>2,121.4<br>210.8<br>86.8<br>66.2<br>72.9      | 314.9<br>404.6<br>264.7<br>2.1<br>70.8 | 520.9<br>1,454.2<br>927.2<br>365.0<br>221.0<br>68.6 | 1,090.9<br>4,053.4<br>1,565.1<br>716.5<br>289.3<br>212.3             |
| Product lines Yukon Terricorv Brician Columbia   | 55.5<br>35.0                               | -  |  | -   | 55.5<br>35.0   |
| A bert.  Shaka: heyan  I mitous  Untario  Quebec   | 123.1                                      | 2.5<br>384.0<br>194.5<br>847.1<br>53.0                 | -                                      | -   | 125.6<br>384.0<br>194.5<br>847.1<br>53.0                             |
| Caneda   | 213.6                                      | 1,481.1  | -                                      | -   | 1,694.7  |
| Yukon Territory British Columbia Alberta Saskatchewan Menticha Oncorto   | 55.5<br>147.4<br>2,083.5<br>724.6<br>109.9 | 757.5<br>3,026.4<br>1,256.5<br>320.4<br>913.3<br>125.9 | 335.3<br>404.6<br>264.7<br>2.1<br>70.8 | 520.9<br>1,454.2<br>927.2<br>365.0<br>221.0<br>68.6 | 55.5<br>1,425.8<br>6,899.4<br>3,312.9<br>1,060.0<br>1,136.4<br>265.3 |
| Sanada   | 3,120.9                                    | 6,400.0  | 1,077.5                                | 3,556.9   | 14,155.3   |

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 79



December 10, 1969

### Consumption of Petroleum Products 1968

In 1968 total sales of Refined Petroleum Products (excluding Liquefied Petroleum Gases) increased 6.9 per cent over the 1967 figure; the major gains being in the Northwest Territories, the Maritimes and Quebec.

The road transport fuel market continues to hold the majority of sales of refined petroleum products with 28.7 per cent of total disposition in 1968. This amounted to 126.7 million barrels as compared with 119.1 million barrels in 1967. The industrial/commercial sector showed the largest increase in sales with 12.3 million barrels more than the previous year's total of 103.7 million barrels.

The percentage gain of aviation fuel consumption was relatively small (11.2 per cent) as compared with 1967 increase over 1966 (22.8 per cent). However, the 1967 large demand was primarily due to extensive air travel to and from Canada during expo year.

| Disposition  | Volume | % total  | Volume   | % total |
|--|--------|----------|----------|---------|
|  | 1968   | 1968     | 1967     | 1967    |
|  |        | millions | of bbls. |         |
| Residential, apartment, farm  Commercial heating  Governments, police and armed forces  Road transport  Rail transport  Marine (excluding navy)  Aviation  Industrial/commercial and other (excluding commercial heating). | 111.1  | 25.2     | 105.8    | 25.7    |
|  | 33.5   | 7.6      | 31.4     | 7.6     |
|  | 10.8   | 2.4      | 10.3     | 2.5     |
|  | 126.7  | 28.7     | 119.1    | 28.9    |
|  | 14.0   | 3.2      | 14.5     | 3.5     |
|  | 16.8   | 3.8      | 16.7     | 4.0     |
|  | 12.3   | 2.8      | 11.1     | 2.7     |
| Total sales  | 441.2  | 100.0    | 412.6    | 100.0   |

Following are disposition tables of selected products. Complete product sales by consumer category will be published in Catalogue number 45-208 - Refined Petroleum Products Volume II, 1968.

6503-521

TABLE 1. Net Sales of Refined Petroleum Products by Consumer Category, 1968 (Excluding Liquefied Petroleum Gases)

| Disposition   | Newfound-<br>land | Maritimes  | Quebec      | Ontario                | Manitoba                       | Saskat-<br>chewan | Alberta               | British<br>Columbia  | Northwest<br>Terri-<br>tories<br>and Yukon | Canada                |
|---|-------------------|------------|-------------|------------------------|--------------------------------|-------------------|-----------------------|----------------------|--|-----------------------|
|   |                   |            |             | barre                  | barrels of 35 Canadian gallons | dian gallons      |                       |                      |  |                       |
| Residential, apartment, farm  | 2,612,578         | 11,263,473 | 33,856,716  | 36,669,872             | 4,828,185                      | 8,449,748         | 6,846,066             | 6,400,944            | 142,230                                    | 142,230 111,069,812   |
| Commercial heating  | 786,603           | 2,916,303  | 13,638,586  | 14,351,617             | 429,830                        | 239,416           | 242,788               | 835,813              | 30,249                                     | 30,249 33,471,205     |
| Pederal and provincial governments, police forces and armed forces                      | 666,814           | 1,775,564  | 2,000,291   | 2,670,786              | 912,966                        | 457,527           | 808,580               | 1,214,629            | 351,466                                    | 10,858,623            |
| Road transport  | 1,745,098         | 8,068,547  | 33,609,358  | 48,764,339             | 5,658,374                      | 5,958,496         | 9,933,021             | 12,815,397           | 134,209                                    | 134,209 126,686,839   |
|   |                   |            |             |                        |                                |                   |                       |                      |  |                       |
| Rail transport  | 494,908           | 1,010,806  | 3,242,855   | 3,750,934              | 1,065,788                      | 857,889           | 2,146,893             | 1,387,,734           | 20,633                                     | 13,978,440            |
| Marine (excluding Navy)   | 1,585,371         | 4,879,685  | 5,567,958   | 2,379,720              | 8,348                          | 437               | 3,734                 | 2,246,771            | 95,996                                     | 16,765,020            |
| Aviation (excluding federal and provincial governments, armed forces and police forces) | 705,017           | 478,962    | 3,823,810   | 3,639,184              | 845,034                        | 192,280           | 1,086,912             | 1,405,372            | 167,734                                    | 12,344,305            |
| Industrial/commercial and other (excluding commercial heating)                          | 3,997,602         | 11,748,805 | 41,783,681  | 31,588,033             | 2,395,824                      | 2,682,978         | 5,521,045             | 5,521,045 15,424,888 | 877,406                                    | 877,406 116,020,262   |
| Total sales   | 12,593,991        | 42,142,145 | 137,523,255 | 143,814,485 16,144,349 | 16,144,349                     | 18,838,771        | 26,589,039 41,731,548 | 41,731,548           | 1,816,923                                  | 1,816,923 441,194,506 |
|   |                   |            |             |                        |                                |                   |                       |                      |  |                       |

TABLE 2. Net Sales of Motor Gasoline, 1968

- 2 -

| est<br>S<br>kon                            | _                              | 107,685 110,262,264  | 17,700 18,313,783 | 20,731 1,724,130   | 5,243 9,204,139           | 58,606 13,223,260 | 209,965 152,727,576             |
|--|--------------------------------|----------------------|-------------------|--|---------------------------|-------------------|---------------------------------|
| Northwest<br>Terri-<br>tories<br>and Yukon | _                              | 107,6                | 17,               |  | 0,0                       | 58,6              | 209,                            |
| British<br>Columbia                        |                                | 8,299,285 11,103,247 | 828,500           | 189,083  | 717,300                   | 1,995,204         | 14,833,334                      |
| Alberta                                    | (n)                            |                      | 4,495,850         | 226,465  | 647,705                   | 1,587,053         | 9,929,654 15,256,358 14,833,334 |
| Saskat-<br>chewan                          | adian gallon                   | 5,217,071            | 3,955,175         | 112,264  | 281,372                   | 363,772           | 9,929,654                       |
| Manitoba                                   | barrels of 35 Canadian gallons | 4,860,582            | 1,612,976         | 103,586  | 380,673                   | 473,625           | 7,431,442                       |
| Ontario                                    | barre                          | 41,709,007           | 4,824,886         | 668,499  | 4,411,752                 | 4,156,422         | 55,770,566                      |
| Quebec                                     |                                | 29,658,654           | 1,674,305         | 240,723  | 2,492,529                 | 3,635,547         | 37,701,758                      |
| Maritimes                                  |                                | 7,635,212            | 824,823           | 128,138  | 233,834                   | 692,486           | 9,514,493                       |
| Newfound-<br>land                          |                                | 1,671,521            | 79,568            | 34,641   | 33,731                    | 260,545           | 2,080,006                       |
| Disposition                                |                                | Retail pump outlets  | Farms             | Federal and provincial governments, armed forces and police forces | Commercial transportation | Other             | Total sales                     |

TABLE 3. Net Sales of Kerosene, Stove Oil and Tractor Fuel, 1968

|                                | Manito    |
|--------------------------------|-----------|
| Manitoba                       | _         |
| barrels of 35 Canadian gallons | els o     |
| 844,044   1,026,553            | 2,558,400 |
| 127,845                        | 349,029   |
| 40,310                         | 29,480    |
|                                |           |
| 2,164                          | 12,366    |
| 15,299                         | 29,963    |
| 115,209                        | 319,448   |
| 132,672                        | 361,777   |
| 15,020                         | 12,480    |
| 1,172,400                      | 3,344,259 |

TABLE 4. Net Sales of Diesel Fuel Oil, 1968

| Canada                                     |  | 6,634,705                           | 218,361 | 11,633,551                            | 11,813,944 | 1,706,744   | 2,130,042<br>1,534,370<br>6,786,817   | 10,451,229       | 4,835,910<br>1,237,249<br>291,613<br>43,238,411                       |
|--|--|-------------------------------------|---------|---------------------------------------|------------|---|---|------------------|---|
| Northwest<br>Terri-<br>tories<br>and Yukon | TO THE PARTY OF TH | 12,244                              | 1       | 11,185                                | 13,822     | 106,664   | 811<br>59,382<br>214,456  | 274,649          | 8,038<br>12,085<br>-<br>519,977                                       |
| British<br>Columbia                        |  | 418,010                             | 3,266   | 1,159,998                             | 1,172,540  | 311,662   | 1,217,886<br>255,670<br>1,321,041   | 2,794,597        | 743,085<br>152,853<br>35,757<br>6,897,425                             |
| Alberta                                    |  | 1,361,563                           | 3,179   | 1,976,371                             | 1,989,425  | 167,983   | 68,835<br>236,181<br>1,061,101  | 1,366,117        | 622,402<br>280,103<br>61,225<br>5,855,634                             |
| Saskat-<br>chewan                          | barrels of 35 Canadian gallons   | 2,016,775                           | 8,004   | 762,403                               | 763,874    | 82,154  | 3,749<br>67,428<br>475,419  | 969,975          | 278,374<br>124,216<br>47,232<br>3,867,568                             |
| Manitoba                                   | ls of 35 Can   | 741,979                             | 3,867   | 958,330                               | 958,495    | 212,094 6,739   | 7,408<br>36,278<br>384,777  | 428,463          | 290,425<br>79,247<br>13,391<br>2,734,700                              |
| Ontario                                    | barre  | 929,557                             | 120,043 | 3,290,673                             | 3,334,330  | 196,479   | 363,115<br>438,628<br>1,490,186   | 2,291,929        | 1,772,034<br>452,553<br>15,453<br>9,451,788                           |
| Quebec                                     |  | 644,623                             | 72,212  | 2,374,663                             | 2,426,589  | 173,285   | 372,861<br>352,805<br>941,896   | 1,667,562        | 1,041,212<br>94,722<br>101,436<br>7,567,356                           |
| Maritimes                                  |  | 419,885                             | 7,789   | 898,760                               | 911,401    | 308,522   | 64,956<br>54,539<br>197,134   | 316,629          | 64,787<br>35,996<br>16,241<br>3,778,912                               |
| Newfound-<br>land                          |  | 690,06                              | 1       | 201,168                               | 243,468    | 1,297,021   | 30,421<br>33,459<br>700,807   | 764,687          | 15,553<br>5,474<br>878<br>2,565,051                                   |
| Disposition                                |  | Residential, apartment and farm use | ments)  | Railways: (a) Locomotive running fuel | Totals     | Goverrments, police forces and armed forces Aarine (excluding Navy) | Industrial/commercial (excluding commercial heating): (a) Forest products (b) Mining and smelting (c) Other | Total industrial | Commercial transportation Retail pump outlets Sales other Total sales |

TABLE 5. Net Sales of Light Fuel 011, 1968

| Northwest British Terri- Columbia tories and Yukon |                                | 575,819   3,543,239   71,795   64,073,935 | 35,757 348,394 20,418 12,835,098<br>16,103 6,136 2,272 292,968 | 12,261 96,628 135,454 1,715,156<br>14,774 30 162,968 |                                       | 12,005 84,078 - 463,737<br>58,759 102,104 86,447 1,382,522<br>96,680 429,462 133,478 7,370,334 | 167,444 615,644 219,925 9,216,593 | 187,804 157,992 - 4,173,408 | 995,188 4,782,807 449,894 92,470,126 |
|--|--------------------------------|---|--|--|---------------------------------------|--|-----------------------------------|-----------------------------|--------------------------------------|
| Saskat-<br>chewan                                  | barrels of 35 Canadian gallons | 1,307,509 575                             | 50,501 35  | 28,732   |                                       | 4,527 12<br>54,875 58<br>104,572 99  | 163,974                           | 309 18                      | 1,574,683 99                         |
| Manitoba   | s of 35 Cana                   | 1,580,810                                 | 57,800   | 45,634   |                                       | 5,177<br>28,408<br>151,720   | 185,305                           | 50,585                      | 1,932,599                            |
| Ontario  | barrel                         | 26,514,303                                | 6,366,184  | 578,040<br>38,355                                    |                                       | 157,214<br>496,510<br>3,927,604  | 4,581,328                         | 126,088                     | 38,305,934                           |
| Quebec   |                                | 21,987,553                                | 4,704,419  | 400,242  |                                       | 173,773<br>437,813<br>2,123,091  | 2,734,677                         | 2,789,594                   | 32,756,759                           |
| Maritimes  |                                | 7,249,213                                 | 763,538  | 226,575  |                                       | 16,373<br>94,196<br>312,747  | 423,316                           | 843,438                     | 9,531,325                            |
| Newfound-<br>land                                  |                                | 1,243,694                                 | 488,087  | 191,590  |                                       | 10,590<br>23,410<br>90,980   | 124,980                           | 17,598                      | 2,140,937                            |
| Disposition  |                                | Residential, apartment and farm use       | Commercial heating (excluding apartments)                      | Governments, police forces and armed forces          | Industrial/commercial (excluding com- | mercial heating): (a) Forest products  | Total industrial                  | Sales other                 | Total sales                          |

TABLE 6. Net Sales of Heavy Fuel 0il, 1968

| Canada                                     |                                | 6,522,330                           | 19,240,677   | 2,541,074   |                                       | 18,143,010<br>11,840,221<br>21,016,507                                  | 50,999,738       | 7,247,392   | 100,229 98,405,764 |
|--|--------------------------------|-------------------------------------|--|---|---------------------------------------|---|------------------|-------------|--------------------|
| Northwest<br>Terri-<br>tories<br>and Yukon |                                | 1                                   | 121  | 4,638   |                                       | 26,044  | 95,470           | 1           | 100,229            |
| British<br>Columbía                        |                                | 207,421                             | 425,944  | 369,510   |                                       | 5,524,101<br>190,877<br>1,697,718                                       | 7,412,696        | 102,065     | 9,579,711          |
| Alberta                                    |                                | 1                                   | 151,327  | 20,116  |                                       | 14,688<br>66,117<br>150,563   | 231,368          | à           | 497,835            |
| Saskat-<br>chewan                          | dian gallons                   | 25,401                              | 32,791   | 11,489  |                                       | 60,418<br>200<br>292,871  | 353,489          | 2,605       | 462,751            |
| Manitoba                                   | barrels of 35 Canadian gallons | 18,106                              | 240,318  | 91,226  |                                       | 8,760<br>207,099<br>248,903   | 464,762          | 6,159       | 864,598            |
| Ontario                                    | barrel                         | 1,777,244                           | 7,516,361  | 918,388   |                                       | 1,639,054<br>4,943,874<br>6,818,167                                     | 13,401,095       | 304,822     | 26,144,435         |
| Quebec                                     |                                | 4,480,902                           | 8,723,567  | 372,734   |                                       | 7,508,686 3,452,203 8,885,609   | 19,846,498       | 5,722,708   | 43,894,216         |
| Maritimes                                  |                                | 12,201                              | 1,976,986  | 529,653   |                                       | 2,404,507<br>1,660,500<br>2,580,987                                     | 9,645,994        | 1,105,990   | 13,484,719         |
| Newfound-<br>land                          |                                | 1,055                               | 173,262  | 223,320 241,514   |                                       | 982,796<br>1,293,307<br>272,263   | 2,548,366        | 43          | 3,377,270          |
| Disposition                                |                                | Residential, apartment and farm use | Commercial heating (excluding apartments) Railways | Governments, police forces and armed forces.  Marine (excluding Navy) | Industrial/commercial (excluding com- | mercial heating): (a) Forest products (b) Mining and smelting (c) Other | Total industrial | Sales other | Total sales        |

ENERGY

For further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR



January 7, 1970

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Inventory of Prime Mover and Electric Generating Equipment 1968 Additions, Deletions and Changes.

#### Introduction

The report "Electric Power Statistics, Volume III" is an occasional publication which lists certain design details of electric generating equipment and the associated prime movers. The latest publication (Catalogue No. 57-503) listed these details for equipment as at December 31, 1966. The Catalogue No. 57-002 (Vol. 3, No. 48) provided updating material to Dec. 31/67. The accompanying tables are intended for use in up-dating this publication by showing additions, deletions and changes which were made during the calendar year 1968. It is planned to continue publication at five year intervals and to provide these updating information sheets annually.

A separate table is provided for each type of generating equipment, i.e., hydro, steam, internal combustion and gas turbine. Details for the complete plant are printed where changes have occurred during the year and the changes are indicated by the following symbols:

(A) - Additions.

(C) - Changes. Any changes in numeric data have been underlined.

(D) - Deletions.

In Table 2 the units for moment of inertia are millions of pounds-feet2. This is a departure from the publication listing equipment as at December 31, 1966 where the unit used was thousands of pounds-feet2.

For heading explanations and codes, please refer to Catalogue No. 57-503.

### Review of Survey Results

Total generating capacity in Canada at the end of 1968 amounted to 35,908,497 kilowatts, 8.9 per cent more than the total of 32,963,167r kilowatts in 1967. Utilities accounted for 30,599,012 kilowatts compared with 27,714,954 kilowatts in 1967, while industry had a capacity of 5,309,485 kilowatts in 1968, up from 5,248,213° kilowatts in 1967. Hydraulic installations in 1968 accounted for 69.5 per cent of the total and thermal plants, 30.5 per cent compared with 70.8 and 29.2 per cent in 1967. New hydraulic installations in 1968, in contrast to the two previous years, exceeded new thermal installations by 264,382 kilowatts.

Quebec had the largest generating capacity at 11,800,815 kilowatts or 32.9 per cent of the national total, followed by Ontario with 31.5 per cent and British Columbia with 13.9 per cent. The largest increase in generating capacity was in Ontario where the increase amounted to 1,046,937 kilowatts. British Columbia increased its capacity by 895,190 kilowatts, New Brunswick by 308,313 kilowatts, Quebec by 196,054 kilowatts, Saskatchewan by 174,870 kilowatts, Newfoundland by 146,247 kilowatts and Manitoba by 122,875 kilowatts.

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The largest thermal generating capacities were in Ontario with 44.8 per cent of the Canada total, British Columbia with 13.5 per cent, Alberta with 13.1 per cent and Quebec with 7.0 per cent.

The greatest increase in thermal capacity occurred in Ontario where three units totalling 900,000 kilowatts were installed at Ontario Hydro's Lakeview station. An additional 162,000 kilowatt unit was installed by British Columbia Hydro and Power Authority at their Burrard plant. In Quebec an additional unit of 150,000 kilowatts was completed at the Tracy station.

The increase in hydraulic capacity in British Columbia was accounted for by the new Gordon M. Shrum generating station where 3 units totalling 681,000 kilowatts were put into service during 1968. In New Brunswick three units totalling 307,800 kilowatts came on line in the New Brunswick Electric Power Commission's Mactaquac station. Saskatchewan Power Corporation's new Coteau Creek plant was put into operation during the year with three units totalling 167,940 kilowatts. Two units with a capacity of 152,400 kilowatts were added to the Ontario Hydro's Barrett Chute plant. Manitoba Hydro added a fourth unit of 109,250 kilowatts to their Grand Rapids generating station. In Newfoundland, an additional unit of 76,500 kilowatts was added by the Newfoundland and Labrador Power Commission to the Bay d'Espoir plant.

 $\label{eq:TABLE 1}$  Summary of Electric Generating Capacity as at December 31, 1968

|                                     |                         | Generator             | s                    |                         |
|-------------------------------------|-------------------------|-----------------------|----------------------|-------------------------|
| ~                                   | Publicly-               | Privately-            | Industries           |                         |
|                                     | operated<br>utilities   | operated<br>utilities | and<br>other         | Total                   |
| All equipment                       |                         | ŀ                     | cw,                  |                         |
| Newfoundland                        | 341,710                 | 500 505               |                      |                         |
| Prince Edward Island<br>Nova Scotia | 6,891                   | 503,525<br>70,500     | 90,428               | 935,663<br>77,391       |
| New Brunswick                       | 307,658<br>944,857      | 319,863<br>31,840     | 78,920<br>124,837    | 706,441<br>1,101,534    |
| Quebec                              | 8,398,940<br>10,372,959 | 1,019,280<br>338,290  | 2,382,595<br>605,217 | 11,800,815              |
| Manitoba<br>Saskatchewan            | 1,530,448               | -                     | 21,706               | 11,316,466<br>1,552,154 |
| Alberta<br>British Columbia         | 1,101,470<br>496,391    | 106,740<br>1,394,680  | 44,857<br>158,863    | 1,253,067<br>2,049,934  |
| Northwest Territories               | 3,173,774<br>51,816     | 49,455<br>3,255       | 1,777,736            | 5,000,965               |
| Yukon                               | 25,310                  | 8,360                 | 8,676<br>15,650      | 63,747<br>50,320        |
| Totals                              | 26,753,224              | 3,845,788             | 5,309,485            | 35,908,497              |
| <u>Hydro-electric</u>               |                         |                       |                      |                         |
| Newfoundland                        | 306,920                 | 444,471               | 60 125               | 010 500                 |
| Prince Edward Island                | · -                     |                       | 68,135               | 819,526                 |
| New Brunswick                       | 107,188<br>524,585      | 50,443<br>30,840      | 5,350<br>14,200      | 162,981<br>569,625      |
| Quebec Ontario                      | 7,731,823<br>5,823,423  | 1,016,380<br>332,720  | 2,289,683            | 11,037,886              |
| Manitoba                            | 1,173,250               | -                     | 256,506<br>10,350    | 6,412,649<br>1,183,600  |
| SaskatchewanAlberta                 | 447,840                 | 106,740<br>615,700    | 12,300               | 566,880<br>615,700      |
| British Columbia                    | 2,051,742<br>32,000     | 48,530                | 1,424,689            | 3,524,961               |
| Yukon                               | 16,490                  | 1,650                 | 3,360<br>10,050      | 35,360<br>28,190        |
| Totals                              | 18,215,261              | 2,647,474             | 4,094,623            | 24,957,358              |
| Steam                               |                         |                       |                      |                         |
| Newfoundland                        | _                       | 33,400                | 17,025               | 50,425                  |
| Prince Edward Island                | 194,500                 | 70,500<br>267,500     | -                    | 70,500                  |
| New Brunswick                       | 410,615                 | -                     | 72,970<br>110,637    | 534,970<br>521,252      |
| Ontario                             | 600,000<br>4,204,200    | -                     | 82,980<br>346,361    | 682,980<br>4,550,561    |
| Manitoba<br>Saskatchewan            | 314,000<br>538,000      | -                     | 7,350<br>23,000      | 321,350                 |
| Alberta                             | 408,791                 | 684,500               | 130,801              | 561,000<br>1,224,092    |
| British Columbia                    | 810,000<br>600          | -                     | 311,780              | 1,121,780               |
| Yukon                               | -                       | -                     | -                    | -                       |
| Totals                              | 7,480,706               | 1,055,900             | 1,102,904            | 9,639,510               |
| Internal combustion                 |                         |                       |                      |                         |
| Newfoundland                        | 20,640                  | 11,504                | 5,268                | 37,412                  |
| Nova Scotia                         | 6,891<br>5,970          | 1,920                 | 600                  | 6,891<br>8,490          |
| New Brunswick Quebec                | 9,657<br>31,117         | 1,000<br>2,900        | 9,932                | 10,657<br>43,949        |
| Ontario                             | 26,336                  | 5,570                 | 2,350                | 34,256                  |
| Manitoba                            | 15,398<br>26,750        | -                     | 4,006<br>9,557       | 19,404<br>36,307        |
| Alberta<br>British Columbia         | 1,500<br>121,532        | 25,980                | 15,875               | 43,355                  |
| Northwest Territories               | 17,016                  | 925<br>3,255          | 36,767<br>5,316      | 159,224<br>25,587       |
| Yukon                               | 9,820                   | 6,710                 | 5,600                | 22,130                  |
| Totals                              | 292,627                 | 59,764                | 95,271               | 447,662                 |
| Gas turbine                         |                         |                       |                      |                         |
| Newfoundland Prince Edward Island   | 14,150                  | 14,150                | -                    | _8,300                  |
| Nova Scotia                         | -                       |                       | -                    | -                       |
| New Brunswick                       | 36,000                  | -                     |                      | 36,000                  |
| Ontario                             | 319,000                 | -                     | -                    | 319,000                 |
| Saskatchewan                        | 27,800<br>88,880        | -                     | -                    | 27,800<br>88,880        |
| Alberta<br>British Columbia         | 86,100<br>190,500       | 68,500                | 12,187<br>4,500      | 166,787<br>195,000      |
| Northwest Territories<br>Yukon      | 2,200                   | -                     | 4, 500               | 2,200                   |
| Totals                              | 764,630                 | 82,650                | 16,687               | 863,967                 |
|                                     | 70.7,030                | 0.2,550               | . 0,007              |                         |

| HYDRO                             |                               |       |               |     |             | x                    | MAI                  | N TUR                    | BINES                           | s   | х                    |                            | PAIN C                                    | SENER          | ATORS                                     |                 | х   |
|-----------------------------------|-------------------------------|-------|---------------|-----|-------------|----------------------|----------------------|--------------------------|---------------------------------|---|----------------------|----------------------------|---|----------------|---|-----------------|---|
| COMPANY NAME                      | CO ORDINATES                  | OPE   | RATING        |     | AV AN       |                      |                      |                          |                                 |   |                      | HOMENT                     |   |                |   |                 |   |
| PLANT NAME<br>WATER SUPPLY        | LAT LONG                      |       | EADS<br>MIN N | ORM | FLOW<br>CFS | YEAR                 | RUNNER               | RPM                      | HEAD                            | НР  | YEAR                 | OF<br>INERTIA              | VOLTS                                     | FREQ           |   | POWER<br>FACTOR | KW  |
|                                   | NEWFOUNDL AND                 |       |               |     |             |                      |                      |                          |                                 |   |                      |                            |   |                |   |                 |   |
| NFED & LAB POWER COMM             |                               |       |               |     |             |                      |                      |                          |                                 |   |                      |                            |   |                |   |                 |   |
| BAY D ESPOIR<br>SALMON R & GREY R | 47 56 55 46<br>(C<br>(C<br>(C | )     | 540           | 577 | 2200        | 67<br>67<br>67<br>68 | RPF<br>RPF<br>RPF    | 300<br>300<br>300<br>300 | 577<br>577<br>577               | 100000<br>100000<br>100000<br>100000            | 67<br>67<br>67<br>68 | 21<br>21<br>21<br>21       | 13800<br>13800<br>13800<br>13800          | 60<br>60<br>60 | 85000<br>85000<br>85000<br>85000          | 90<br>90<br>90  | 76500<br>76500<br>76500<br>76500          |
| TWIN FALLS POWER CORP LTD         | 0                             |       |               |     |             |                      |                      |                          | -                               | ·00,000   |                      |                            |   |                | 340,000                                   | 30              | 6,000                                     |
| TWIN FALLS<br>OSSOKMANUAN L       | 53 30 64 <b>3</b> 2           |       | 306           | 307 | 5000        | 62<br>62<br>63<br>63 | RF<br>RF<br>RF<br>RF |                          | 290<br>290<br>290<br>290<br>307 | 60000<br>60000<br>60000<br>60000                | 62<br>62<br>63<br>63 | 2<br>2<br>2<br>2<br>2<br>2 | 13800<br>13800<br>13800<br>13800<br>13800 | 60<br>60<br>60 | 52000<br>52000<br>52000<br>52000<br>52000 | 90<br>90<br>90  | 46800<br>46800<br>46800<br>46800<br>46800 |
|                                   | · · ·                         | ,     |               |     |             |                      |                      |                          |                                 | 300,000   |                      |                            |   |                | 260,000                                   |                 | 4,000                                     |
|                                   | NEVA SCETTA                   |       |               |     |             |                      |                      |                          |                                 |   |                      |                            |   |                |   |                 |   |
| BERWICK TOWN OF                   |                               |       |               |     |             |                      |                      |                          |                                 |   |                      |                            |   |                |   |                 |   |
| BERWICK<br>ANNAPOLIS R            | 45 02 64 45<br>(A             | 79    | 70            | 79  | 16          | 37<br>68             | RF<br>RPF            | 720<br>720               | 70<br>82                        | 275<br>800<br>1,075                             | 37<br>68             | 28                         | 200<br>2300                               |                | 325<br>525<br>850                         | 80              | 260<br>420<br>680                         |
| NS LIGHT & POWER CO LTD           |                               |       |               |     |             |                      |                      |                          |                                 | 1,075   |                      |                            |   |                | 850                                       |                 | 640                                       |
| LEQUILLE (D)                      | 44 43 65 29                   | 42    | 38            | 42  | 53          |                      | RF                   | 600                      | 42                              | 300   | 28                   |                            | 2300                                      | 60             | 225                                       | 80              | 180                                       |
| LEQUILLE (A) ALLAIN RIVER         | 44 43 65 29                   | 3 88  | 384           | 386 | 100         | 68                   | RF                   | 512                      | 386                             | 15000   | 68                   |                            | 6900                                      | 60             | 13000                                     |                 | 11180                                     |
|                                   | NEW BRUNSWICK                 |       |               |     |             |                      |                      |                          |                                 |   |                      |                            |   |                |   |                 |   |
| NB ELECTRIC POWER COMM            |                               |       |               |     |             |                      |                      |                          |                                 |   |                      |                            |   |                |   |                 |   |
| BEECHWOOD<br>SAINT JOHN RIVER     | 46 33 67 41<br>(C)            | ) 58  | 29            | 57  | 22512       | 58                   | RPK<br>RPK<br>RPK    | 109                      | 57                              | <b>450</b> 00<br><b>450</b> 00<br><b>555</b> 00 | 58                   |                            | 13800                                     | 60             | 40000<br>40000<br>45000                   | 90              | 36000                                     |
|                                   |                               |       |               |     |             |                      |                      |                          | 1                               | 45,500  |                      |                            |   |                | 125,000                                   | 11              | 2,500                                     |
| GRAND FALLS<br>SAINT JOHN RIVER   | 47 03 67 44<br>(C             | ) 136 | 110           |     | 13951       | 28<br>30             | RF                   | 164<br>164               | 125<br>125                      | 20000<br>20000<br>20000<br>20000                | 28<br>30             |                            | 6600                                      | 60<br>60       | 17500<br>17500<br>17500<br>17500          | 90<br>90        | 15750<br>15750                            |
|                                   |                               |       |               |     |             |                      |                      |                          |                                 | 80.000  |                      |                            |   |                | 70 - 000                                  | 6               | 3.000                                     |

70,000 63,000

| HYDRO  |                  |             |          |        |      |             | x  | 84.4              | 741  | 0.011.5  |   |  |  |  |  |   |  |   |
|--|------------------|-------------|----------|--------|------|-------------|--|-------------------|--|--|---|--|--|--|--|---|--|---|
| COMPANY NAME PLANT NAME                                    | CO ORD           | INATE       |          | PERATI | NG   | AV AN       | ^  | mA;               | IN FU  | RBINES   | S   | X  | MOMENT   | MAIN   | GENER  | ATORS   |  | х   |
| WATER SUPPLY   | LAT              | LONG        |          | HEADS  | NORM | FLOW<br>CFS | YEAR   | RUNNER            | RPM  | HEAD   | НР  | YEAR   | OF<br>INERTIA  | VOLTS  | FREQ   | KVA   | POWE   | R<br>OR KW  |
| MACTAQUAC (A)<br>ST JOHN RIVER                             | 45 57            | 66 5        | 1 20     | 0 80   | 116  | 26652       | 68<br>68<br>68   | RPK<br>RPK<br>RPK | 112<br>112<br>112  | 110  | 150000<br>150000<br>150000  | 68<br>68<br>68   | 183<br>183<br>183  |  | 60   | 11 4000<br>11 4000<br>11 4000   | 90<br>90   | 102600<br>102600<br>102600  |
| MILLTOWN<br>ST CROIX RIVER                                 | 45 10            |             |          |        |      |             |  |                   |  | 4  | 50,000  |  |  |  |  | 342,000   |  | 307,800   |
| OT ONDIA RIVER   |                  | ()          |          | 23     | 24   | 2506        | 20<br>20<br>20<br>11<br>62<br>68                         | RF<br>RF<br>RF    | 150<br>150<br>150<br>185<br>300<br>300                             | 21<br>21<br>21<br>25<br>30<br>23                                   | 1080<br>1080<br>1080<br>500<br>468<br>600   | 20<br>20<br>20<br>47<br>62<br>68                               |  | 600<br>600<br>600<br>600<br>600  | 60   | 810<br>810<br>810<br>470<br>438<br>500  |  | 700<br>700<br>375   |
| MUSQUASH   | 45 12            | 66 37       | t.       |        |      |             |  |                   |  |  | 4,808   |  |  |  |  | 3,838   |  | 3,436   |
| MUSQUASH RIVER   |                  |             | ) 106    | 98     | 100  | 354         | 20<br>20<br>20   | RF<br>RF<br>RF    | 300<br>300<br>300  | 100  | 3670<br>3670<br>3670  | 20   |  | 13200<br>13200<br>13200  | 60<br>60   | 2900<br>2900<br>2900  | 80<br>80<br>80                                     | 2320<br>2320<br>2320  |
| SISSON<br>SISSON L   | 47 16            |             |          | 110    | 125  | 203         | <i>(</i> <b>5</b>  | 0.5               | 263  |  |   |  |  |  |  | 8,700   |  | 6,960   |
|  |                  | (0          | . ) 1 77 | 110    | 133  | 203         | 00   | RF                | 251  |  | 12500   | 65   |  | 6900   | 60   | 11100   | 90   | 10000   |
| TOBIQUE<br>TOBIQUE RIVER                                   | 46 46            | 67 37<br>(C |          | 60     | 70   | 2833        | 53   | RPK               | 225  | 75   | 13500   | 53   |  | 6900   | 60   | 12500   | 9.0  |   |
|  |                  |             |          |        |      |             | 53   | RPK               | 225  | 75   | 13500   | 53   |  | 6900   | 60   | 12500   | 80   | 10000   |
| QU   | EBEC             |             |          |        |      |             |  |                   |  |  | 27,000  |  |  |  |  | 25,000  |  | 20,000  |
| ALUMINUM CO OF CANADA                                      |                  |             |          |        |      |             |  |                   |  |  |   |  |  |  |  |   |  |   |
|  | 48 26<br>A RIVER |             |          | 202    | 208  | 41200       | 42<br>42<br>43<br>43<br>43<br>43<br>43<br>43<br>43<br>43 | RF                | 129<br>129<br>129<br>129<br>129<br>129<br>129<br>129<br>129<br>129 | 208<br>208<br>208<br>208<br>208<br>208<br>208<br>208<br>208<br>208 | 101000<br>101000<br>95000<br>95000<br>103000<br>103000<br>103000<br>103000<br>103000<br>95000 | 42<br>42<br>43<br>43<br>43<br>43<br>43<br>43<br>43<br>43<br>43 | 83<br>71<br>71<br>74<br>83<br>74<br>83<br>74<br>83<br>74 | 13200<br>13200<br>13200<br>13200<br>13200<br>13200<br>13200<br>13200<br>13200<br>13200<br>13200<br>13200 | 60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60 | 75000<br>75000<br>65000<br>75000<br>75000<br>75000<br>75000<br>75000<br>75000<br>75000<br>75000 | 80<br>80<br>90<br>80<br>80<br>80<br>80<br>80<br>80 | 60000<br>60000<br>58500<br>58500<br>60000<br>60000<br>60000<br>60000<br>60000<br>60000<br>60000 |
| BELLERIVE VENEER & PLYWOODS                                | LED (C           | )           |          |        |      |             |  |                   |  | 1:20   | 000,000   |  |  |  | 8  | 80,000  | 7:   | 17,000  |
| (THIS UNIT ACQUIRED FROM THE<br>COMMISSION HYDROELECTRIQUE |                  | ,           |          |        |      |             |  |                   |  |  |   |  |  |  |  |   |  |   |
| MONT LAURIER 4<br>LIEVRE RIVER                             | 6 34             | 75 30       | 22       | 18     | 20   |             | 37<br>51<br>51   | RPF<br>RPF        | 100<br>180<br>180  | 22<br>22<br>22   | 500<br>1325<br>1325   | 51   |  | 2400<br>2400<br>2400   | 60   | 620<br>1125<br>1125   | 80   | 500<br>900<br>900   |
| COMMISSION HYDROELECTRIQUE                                 | E QUEB           | EC          |          |        |      |             |  |                   |  |  | 3,150   |  |  |  |  | 2,870   |  | 2,300   |
|  |                  |             |          |        |      |             |  |                   |  |  |   |  |  |  |  |   |  |   |
| PREMIERE CHUTE (A) 4<br>RIVIERE OUTAOUAIS                  | 7 37             | 79 30       |          |        | 73   | 10600       | 68   | RF                | 90   |  | 42400   | 68   | 1  | 3800   |  | 34500<br>34,500   |  | 31050   |

C.

| HYDRO  |   |         |              | ×                       | н  | AIN TURBINES   | x  | MAI                         | N GENER   | ATORS  |                 | x  |
|--|---|---------|--------------|-------------------------|--|--|--|-----------------------------|---|--|-----------------|--|
| COMPANY NAME<br>PLANT NAME<br>WATER SUPPLY                                 | CO ORDINATES                              | HE A    |              | AV AN<br>FLOW<br>CFS YE | EAR RUNNE  | R RPM HEAD   | HP YEAR  | MOMENT<br>OF<br>INERTIA VOL | TS FREQ   |  | POWER<br>FACTOR | KW   |
| MAGOG CITY OF  |   |         |              |                         |  |  |  |                             |   |  |                 |  |
| MAGOG<br>MEMPHREMAGOG LAKE   | 45 16 72 07<br>(C                         | )       | 22           | 400                     | 11 I<br>11 I                                       | 150 21<br>150 21   | 835 11<br>835 11   |                             | 00 60   | 625<br>625   |                 | 470<br>470   |
| SHERBROOKE CITY OF (C) (THIS UNIT ACQUIRED FROM SHERBROOKE LAND ε WATER PO | WER CO.)                                  |         |              |                         |  |  | 1,670  |                             |   | 1,250  |                 | 940  |
| PATON<br>MAGOG RIVER   | 45 24 71 54                               |         | 23 24        | 900                     | 59 RP<br>60 RP                                     | 180 22<br>180 22   | 1100 59<br>1100 60   |                             | 00 60   | 900<br>900   | 80              | 720<br>720   |
| o  | ONTARIO                                   |         |              |                         |  |  | 2,200  |                             |   | 1,800  | 1               | 1,440  |
| BROWN FOREST INDUSTRIES LT   | D   |         |              |                         |  |  |  |                             |   |  |                 |  |
| ESPANOLA<br>SPANISH RIVER  | 46 16 81 46<br>(C<br>(C<br>(C<br>(C<br>(C | ) 68    | <u>59 65</u> | 1                       | 06 RF<br>06 RF<br>11 RF<br>11 RF<br>11 RF<br>17 RF | 257 64<br>240 64<br>360 64<br>360 64<br>360 64<br>360 64<br>144 64 | 2000 46<br>2350 46<br>1675 11<br>1675 11<br>1675 17<br>1675 17<br>10000 45 | 2:<br>2:<br>2:<br>2:        | 00 60<br>000 DC<br>000 60<br>000 60<br>000 60<br>000 60 | 1600<br>1750<br>1560<br>1560<br>1560<br>1560<br>9380 | 80<br>80<br>80  | 1280<br>1750<br>1250<br>1250<br>1250<br>1250<br>7500 |
| HYDRO-ELECTRIC POWER COMMI   | SSION OF ONTA                             | RIO     |              |                         |  |  | 21,050   |                             |   | 18,970   | 15              | 5,530  |
|  |   |         |              |                         |  |  |  |                             |   |  |                 |  |
| BARRETT CHUTE<br>MADAWASKA RIVER   | 45 15 76 45<br>(A                         | 156 1   | 47 154       | (                       | 42 RF<br>42 RF<br>68 RF<br>58 RF                   | 164 150<br>164 150<br>120 150<br>120 150                           | 28000 42<br>28000 42<br>84000 68<br>84000 68                               | 13 132<br>13 133<br>138     | 00 60   | 24000<br>24000<br>62000                              | 85 2<br>90 5    | 20400<br>20400<br>55800<br>55800                     |
| MOUNTAIN CHUTE   | 45 11 76 50                               |         |              |                         |  | 2  | 24,000   |                             |   | 172,000  | 152             | 2,400  |
| MADAWASKA RIVER  |   | ) 156 1 | 51 153       | 2800 6                  | 67 F   | 100 150  | 112000 67<br>112000 67   | 138<br>138                  |   | 75000<br>75000                                       |                 |  |
| PENMANS LTD  |   |         |              |                         |  | 2  | 24,000   |                             |   | 150,000  | 139             | 9,500  |
| MILL #1 (D)<br>NITH RIVER  | 43 12 80 23                               | 14      | 12 13        |                         | 13 I<br>13 [                                       | 200 14<br>200 14   | 181 13<br>290  | 4                           | 50 60   | 300  | 88              | 263  |

HYDRO

| HYDRO                                  |                          |       |       |     |                      | X                          | MAI               | N TUR             | RBINES                                 | S   | X        |                                  | MAIN C   | SENER                | ATORS  |                      | *  |
|--|--------------------------|-------|-------|-----|----------------------|----------------------------|-------------------|-------------------|--|---|----------|----------------------------------|--|----------------------|--|----------------------|--|
| COMPANY NAME PLANT NAME WATER SUPPLY   | CO ORDINATES<br>LAT LONG |       | HEADS |     | AV AN<br>FLOW<br>CFS | YEAR                       | RUNNER            | RPM               | HEAD                                   | НР  | YEAR     | MOMENT<br>OF<br>INERTIA          | VOLTS  | FREO                 | ΚνΔ  | POWER                | K KN   |
|  | MANITOBA                 |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| MANITOBA HYDRO                         |                          |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| GRAND RAPIDS<br>SASKATCHEWAN R         | 53 10 99 16              |       | 112   | 125 | 21000                | 65<br>65<br>65             | RPK<br>RPK<br>RPK | 112               | 120                                    | 150000                                    | 65       | 194                              |  | 60                   | 115000   | 95                   | 109250   |
|  | ( A                      | )     |       |     |                      | 68                         | RPK               | 113               | 120                                    | 150000<br>150000                          |          | 194<br>194                       | 13800<br>13800                                     |                      | 115000   |                      | 109250<br>109250                                   |
|  | SASKATCHEWAN             |       |       |     |                      |                            |                   |                   | 6                                      | 000,000                                   |          |                                  |  |                      | 60,000   | . 4                  | 37,000   |
|  | SHOULD TO WAIT           |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| SASKATCHEWAN POWER CORP                |                          |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| COTEAU CREEK (A)<br>SASKATCHEWAN RIVER | 51 17 106 52             |       | 145   | 173 | 8600                 | 68<br>68                   | RF<br>RF<br>RF    | 129               | 173                                    | 84000<br>84000<br>84000                   | 68       | 64<br>64                         | 14000<br>14000<br>14000                            | 60                   | 62200  | 90                   | 55980<br>55980                                     |
|  |                          |       |       |     |                      | 00                         | R1                | 167               |  | 52,000                                    | 00       | 04                               | 14000  |                      | <b>62</b> 200                                      |                      | 55980  |
| SQUAW RAPIDS<br>SASKATCHEWAN RIVER     | 53 42 103 20<br>(C)      | ) 113 | 96    | 105 | 16800                | 63                         | F                 | 120               |  | 46000<br>46000                            |          | 49                               | 14400  | 66                   | 37500<br>37500                                     | 90                   | 33750<br>33750                                     |
|  |                          |       |       |     |                      | 63<br>64<br>64<br>66<br>67 | F<br>F<br>F<br>F  | 120<br>120        | 105<br>105<br>105<br>105<br>105<br>105 | 46000<br>46000<br>46000<br>46000<br>52750 | 63<br>63 | 49<br>49<br>49<br>49<br>57<br>58 | 14400<br>14400<br>14400<br>14400<br>14400<br>14400 | 60<br>60<br>60<br>60 | 37500<br>37500<br>37500<br>37500<br>43000<br>43000 | 90<br>90<br>90<br>90 | 33750<br>33750<br>33750<br>33750<br>38700<br>38700 |
|  |                          |       |       |     |                      |                            |                   |                   |  | 81,500                                    |          |                                  |  |                      | 11,000   |                      | 79,900   |
|  | ALBERTA                  |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| CALGARY POWER LTD                      |                          |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| BRAZEAU P&G STATION<br>BRAZEAU RIVER   | 52 58 115 36<br>(C)      | 20    |       |     | 1850                 | 65<br>67                   | RPK<br>RPK        | 150<br>150        | 20                                     | 12850<br>12850                            | 65<br>67 |                                  | 13200<br>13200                                     |                      | 10800  |                      | 9720<br>9720                                       |
|  |                          |       |       |     |                      |                            |                   |                   |  | 25,700                                    |          |                                  |  |                      | 21,600   |                      | 19,440   |
|  | BRITISH COLUMBI          | Α     |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| BC HYDRO 6 POWER AUTHORIT              | Y                        |       |       |     |                      |                            |                   |                   |  |   |          |                                  |  |                      |  |                      |  |
| ELKO PLANT<br>ELK RIVER                | 49 18 115 04<br>(C)      |       | 198   | 200 | 2044                 | 24<br>24                   | RF<br>RF          | 360<br>360        | 190<br>190                             | 7500<br><b>75</b> 00                      |          |                                  | 6600<br>6600                                       |                      | 6000<br>6000                                       |                      | 4800<br>4800                                       |
| GORDON M SHRUM (A)                     | EE EO 132 67             |       |       |     |                      |                            |                   |                   |  | 15,000                                    |          |                                  |  |                      | 12,000   |                      | 9,600  |
| PEACE RIVER .                          | 55 58 122 07             | 5 40  | 440   | 530 |                      | 68<br>68<br>68             | RF<br>RF          | 150<br>150<br>150 | 500                                    | 310000<br>310000<br>310000                | 68<br>68 | 215                              | 13800<br>13800<br>13800                            | 60                   | 239000<br>239000<br>2 <b>39</b> 000                | 95                   | 227000<br>227000<br>227000                         |
|  |                          |       |       |     |                      |                            |                   |                   | 9                                      | 30,000                                    |          |                                  |  | 7                    | 17,000   | 6                    | 81,000   |

| нАСКС                      |              |         |       |       | х          | MAI      | N TUR             | BINES          |                         | х              |                | MAIN (                  | SENER    | ATORS                   |          | х                       |
|----------------------------|--------------|---------|-------|-------|------------|----------|-------------------|----------------|-------------------------|----------------|----------------|-------------------------|----------|-------------------------|----------|-------------------------|
| TMPANY NAME PLANT NAME     | ROITATES     | JPERAT  |       | AV AN |            |          |                   |                |                         |                | HOMENT         |                         |          |                         | POWER    |                         |
| WATER SUPPLY               |              | MAX MIN |       |       | YEAR       | RUNNER   | RPM               | HEAD           | HP                      | YEAR           | INERTIA        | VOLTS                   | FREQ     | KVA                     | FACTOR   | k KW                    |
| CAMPRE<br>CAMPRE           | 50 00 125 34 | 151 7   | 6 140 | 2306  | 5 58<br>68 | RF<br>RF | 138               | 140<br>140     | 42000<br>42000          | 58<br>68       | 25             | 13800                   | 60       | 37500<br>37500          |          | 33750<br>33750          |
|                            |              |         |       |       |            |          |                   |                | 84,000                  |                |                |                         |          | 75,000                  | ) 4      | 57,500                  |
| MINCO LTI                  |              |         |       |       |            |          |                   |                |                         |                |                |                         |          |                         |          |                         |
| BRILLIANT<br>ROOTENAY RIVI | 49 117 41    | 93 7    | 5 90  | 12000 | 44         | RF<br>RF | 100<br>100<br>100 | 90<br>90<br>90 | 37000<br>37000<br>37000 | 44<br>44<br>49 | 32<br>32<br>32 | 13200<br>13200<br>13200 | 60<br>60 | 32000<br>32000<br>32000 | 85<br>85 | 27200<br>27200<br>27200 |
|                            | (A)          |         |       |       | 68         | RPF      | 100               | 90             | 37000<br>48,000         | 68             | 32             | 13200                   | 60       | 32000                   |          | 27200                   |
| 1. 1. 4. 1. 1.             |              |         |       |       |            |          |                   |                |                         |                |                |                         |          |                         |          |                         |
| 1 1: 1                     | 11-11-11     | 66 5    | 2 56  | 180   | 15         | RF       | 360               | 73             | 1400                    | 49             |                | 4160                    | 60       | 1125                    | 80       | 900                     |

| STEAM                     |          |                             | х   |   | 801   | LERS                            |                 | х                                      |        | PO TM   | E MOV                           | E 0 C  |  | x                          |             | M A 74   |  |                            |                      |
|---------------------------|----------|-----------------------------|---|---|---|---------------------------------|-----------------|--|--------|---|---------------------------------|--|--|----------------------------|-------------|--|--|----------------------------|----------------------|
| COMPANY NAME PLANT NAME   |          | DINATES                     |   |   |   | STEAM                           | FUEL            |  |        | THR   | OTTLE                           |  | MAX                                    |                            | cont        |  | GENERATO                               | POWE                       | R                    |
| LENIAL IANGE              | LAI      | LONG                        |   | PSIG  | TEMP  | LB/HR<br>000                    | FIRING          | YEAR                                   | TYPE   | PSI   | G TEM                           | P<br>RPM                                     | CONT<br>KW                             |                            |             | VOLTS  | KVA                                    | FACT                       |                      |
|                           | PRINCE   | EDWARD                      | I SŁ A  | NC  |   |                                 |                 |  |        |   |                                 |  |  |                            |             |  |  |                            |                      |
| MARITIME ELECTRIC CO LTC  |          |                             |   |   |   |                                 |                 |  |        |   |                                 |  |  |                            |             |  |  |                            |                      |
| CHARLOTTETOWN             | 46 14    | 63 08<br>(C)<br>(C)         | 41<br>46<br>48<br><b>55</b><br>60<br>63<br>68 | 250<br>400<br>400<br>400<br>400<br>900<br>900 | 650<br>750<br>750<br>750<br>750<br>900<br>900 | 35<br>60<br>75<br>100           | 0               | 31<br>47<br>52<br>57<br>60<br>63<br>68 | 000000 | 25C<br>400<br>400<br>400<br>400<br>860<br>875 | 750<br>750<br>750<br>750<br>900 | 3600<br>3600<br>3600<br>3600<br>3600<br>3600 | 4000<br>7500<br>7500<br>10000<br>20000 | 47<br>51<br>55<br>60<br>63 | A<br>A<br>A | 2400 66<br>4160 66<br>4160 66<br>4160 66<br>13800 66<br>13800 66 | 4444<br>8333<br>8333<br>11111<br>25000 | 90<br>90<br>90<br>90<br>80 | 4000<br>7500<br>7500 |
|                           | NOVA SCO | OT I A                      |   |   |   |                                 |                 |  |        |   |                                 |  | 70,500                                 |                            |             |  | 83,987                                 |                            | 70,500               |
| BOWATERS MERSEY PAPER CO  |          |                             |   |   |   |                                 |                 |  |        |   |                                 |  |  |                            |             |  |  |                            |                      |
| BROOKLYN                  | 44 03    | (D)<br>(C)<br>(A)<br>(A)    | 29<br>29<br>29<br>68                          | 420<br>420<br>400<br>400<br>400               | 540<br>540<br>540<br>540<br>540               | 100<br>100<br>100<br>175<br>175 | 0<br>9 W<br>0 W | 43                                     | CP     | 3 75  | 540                             | 3600   | 6000                                   |                            | Δ           | 2400 60  |  |                            | 5170                 |
| SCOTT MARITIMES PULP LTD  |          |                             |   |   |   |                                 |                 |  |        |   |                                 |  |  |                            |             |  | 6,462                                  |                            | 5,170                |
| ABERCROMBIE POINT         | 45 39    | 62 43<br>(C)                |   | 850<br>850                                    | 900<br>860                                    | 500<br>350                      | D.M.            | 67                                     | CE     | 8 50  | 880                             | 3600   | 18750<br>18,750                        |                            | Δ           | 13800 60   | 22059                                  |                            | 18750                |
|                           | NEW BRUN | NSWICK                      |   |   |   |                                 |                 |  |        |   |                                 |  | 207.70                                 |                            |             |  | 221031                                 |                            | 134130               |
| CONSOLIDATED BATHURST LTD | )        |                             |   |   |   |                                 |                 |  |        |   |                                 |  |  |                            |             |  |  |                            |                      |
| BATHURST                  | 47 36    | 65 39                       | 37<br>38                                      | 630<br>170                                    | 710<br>375                                    | 110                             | 0               | 37                                     | СВ     | 600   | 700                             | 3600   | 6000                                   | 37                         | Δ           | 2400 60  | 7500                                   | 80                         | 6000                 |
|                           |          | (c)                         | <b>45</b><br>58                               | 630<br>1275                                   | 710<br>875                                    | 170<br>150                      | 50              | 46<br>58                               | ВВ     | 600<br>1250                                   |                                 | 3600<br>3600                                 | 7600<br>7000                           |                            | A           | 2400 60<br>2400 60   |  |                            | 7 <u>612</u><br>7000 |
| NO ELECTRIC POWER COMM    |          |                             |   |   |   |                                 |                 |  |        |   |                                 |  | 20,600                                 |                            |             |  | 25 : 000                               |                            | 20,612               |
| CHATHAM                   | 47 02    | 65 <b>2</b> 8<br>(C)<br>(C) |   | 605<br>875                                    |   | 140<br>210                      |                 | 48<br>56                               | C      |   |                                 | 3600   | 20000                                  | 56                         |             | 7000 60<br>13800 60  | 23529                                  | 85                         |                      |
| COURTENAN DAY             |          |                             |   |   |   |                                 |                 |  |        |   |                                 |  | 32,500                                 |                            |             |  | 39,154                                 |                            | 32,500               |
| COURTENAY BAY             | 40 16    | (c)                         | 61<br>64<br>66                                | 1475<br>1275<br>1825<br>1825                  | 955<br>1005                                   | 460<br>210<br>700<br>700        | 0               | 66                                     | C      | 1800  | 1000                            | 3600   | 100000                                 | 66                         | H ]         | 13800 60<br>6900 60<br>13800 60<br>13800 60                      | 1:7647                                 | 85                         | 100000               |

309,843 263,365

| S TE AM X                |            |                                       |                            | 8011                     | ERS                          |                        | ×                    |        | PR IME       | MOVERS   |                   | ×              | MAI                                   | N GEN | ERATOR                       | S              | х                            |
|--------------------------|------------|---------------------------------------|----------------------------|--------------------------|------------------------------|------------------------|----------------------|--------|--------------|--|-------------------|----------------|---------------------------------------|-------|------------------------------|----------------|------------------------------|
| COMPANY NAME PLANT NAME  | CO ORD     | INATES<br>LONG<br>YEAR                | SI<br>PSIG                 | TEMP                     | STEAM<br>LB/HR<br>000        | FUEL<br>AND<br>FIRING  | YEAR                 | TYPE   | PSIC         | TTLE<br>TEMP                                     | MAX<br>CONT<br>KW | -A             | OL<br>NT<br>VOLTS                     |       |                              | OWER<br>ACTO   | R<br>KW                      |
| GRAND LAKE NO 1          | 46 04      | 66 00<br>31<br>31<br>(C) 36<br>(C) 44 | 448<br>448<br>448<br>448   | 660<br>660<br>700        | 75<br>75<br>100<br>100       | CP<br>CP<br>CP         | 36<br>44             | c      | 430<br>430   | 660 3600<br>700 3600                             | 6250<br>7500      | 44             | A 7000                                | 60    | 7813<br>9375<br>17,188       | 80             | 6250<br>7500                 |
| GRAND LAKE NO 2          | 46 04      | 66 01<br>(C) 51<br>(C) 53<br>(C) 63   |                            |                          | 150<br>200<br>500            | CP                     | 51<br>51<br>53<br>63 |        | 430<br>600   | 675 3600<br>675 3600<br>825 3600<br>1000 3600    | 5000<br>15000     | 51<br>53<br>63 | A 7000<br>A 7000<br>A 7000<br>H 13800 | 60    |                              | 85             |                              |
| DOCK STREET              |            | 66 03<br>(C) 29<br>(C) 47             | <b>45</b> 0<br><b>45</b> 0 | 700<br>750               | 90<br>140                    | OCP                    | 29<br>47             | C<br>C |              | 700 3600<br>750 3600                             |                   | 47             | A 4150                                | 60    |                              | 85             | 6000<br>10000                |
| CANADIAN CELANESE        | QUEBEC     |                                       |                            |                          |                              |                        |                      |        |              |  |                   |                |                                       |       |                              |                |                              |
| CRUMMONDVILLE (D)        | 45 53      | 72 30<br>34<br>36<br>40<br>49<br>53   | 450<br>450<br>450<br>600   | 600<br>600<br>600<br>600 |                              | 0                      | 35<br>50<br>53<br>53 |        |              | 600 6000<br>725 3600<br>725 3600<br>400 3600     | 2500<br>3500      | 50             |                                       | 60    | 1875<br>3125<br>4375<br>2500 |                | 1500<br>2500<br>3500<br>2000 |
| COMMISSION HYDROELECTRIC | QUE DE QUE | BEC                                   |                            |                          |                              |                        |                      |        |              |  |                   |                |                                       |       |                              |                |                              |
| TRACY                    | 46 01      | 65                                    | 2075                       | 1003                     | 1150<br>1150<br>1150<br>1150 | 0                      | 64<br>65<br>67<br>68 | C      | 1800<br>1800 | 1000 3600<br>1000 3600<br>1000 3600<br>1000 3600 | 150000            | 65 67 68       | H 16000                               | 60 1  | 176470<br>176470             | 85<br>85<br>85 | 150000<br>150000             |
| THE PRICE COMPANY LIMITE | ED         |                                       |                            |                          |                              |                        |                      |        |              |  |                   |                |                                       |       |                              |                |                              |
| KENOGAMI (A)             | 48 25      | 71 15<br>41<br>41<br>67               | 611<br>611<br>611          |                          | 80<br>80<br>300              | 0 0                    | 68                   | В      | 611          | 700 3600   | 14750             |                | A 6600                                |       | 16390                        |                | 14750                        |
|                          | ONTARIO    |                                       |                            |                          |                              |                        |                      |        |              |  |                   |                |                                       |       | , . , .                      |                |                              |
| ABITIBI PAPER COMPANY    |            |                                       |                            |                          |                              |                        |                      |        |              |  |                   |                |                                       |       |                              |                |                              |
| THUNDER BAY              | 48 22      | 89 13<br>(C) 62<br>(C) 67<br>49       |                            | 650<br>650<br>700        |                              | C GW<br>C GW<br>W GC S | 27                   | DC     | 3 50         | 685 3600   | 3125              | 5 27           | A 600                                 | 60    | 3275                         | 80             | 2620                         |

3,275 2,620

| STEAM                       |         |              | х                                |   | 80 11                                     | ERS   |                              | х                          |           | PRIME  | MOV                                  | ERS  |  | х                          |                                 | MAII   | N GE                       | NERATOR  | ŧ5   | ¥  |
|-----------------------------|---------|--------------|----------------------------------|---|---|---|------------------------------|----------------------------|-----------|--|--------------------------------------|--|--|----------------------------|---------------------------------|--|----------------------------|--|--|--|
| CCMPANY NAME<br>PLANT NAME  | CC ORDI | LONG         |                                  | ST<br>PS1G                                    | F AM<br>T E M P                           | STEAM<br>LB/HR<br>000                                       | FUEL<br>AND<br>FIRING        | YEAR                       | TYPE      | PSEC   | TEM                                  | D  | MAX<br>CONT<br>KW  | -                          |                                 | 1  |                            |  | POWER<br>FACTO                               | rk   |
| ATOMIC ENERGY OF CANADA LTC |         |              |                                  |   |   |   |                              |                            |           |  |                                      |  |  |                            | ,                               | , ,,,,                                       |                            | KVA  |  | Кw   |
| DOUGLAS POINT (A)           | 44 25   | 81 33        | 57<br>57<br>57<br>57<br>57<br>67 | 569<br>569<br>569<br>569<br>569<br>569<br>569 | 484<br>484<br>484<br>484<br>484<br>484    | 320<br>320<br>320<br>320<br>320<br>320<br>320<br>320        | V<br>V<br>V<br>V<br>V        | 67                         | В         | 565  | 482                                  | 1800   | 220000   | 67                         | н 1                             | 18000  | 60                         | 244444   | 90   | 220000   |
| CANADA & DOMINION SUGAR CO  | ŁTD     |              |                                  |   |   |   |                              |                            |           |  |                                      | •  | 220,000  |                            |                                 |  | 2                          | 44,444   | 2  | 21,000   |
| CHATHAM (D)                 | 42 24   | 82 11        | 45<br>45<br>45                   | 250<br>250<br>250<br>250                      | 550<br>550<br>550<br>550                  | 65<br>65<br>65  | 0.5<br>0.5<br>0.5            | 46<br>45                   | 6 0       | 250<br>250   | 550<br>550                           | 3600<br>3600                                 | 1500<br>1500   | 46<br>46                   |                                 | 600  |                            | 18 <b>75</b><br>18 <b>7</b> 5                                      | 80<br>80                                     | 1500<br>1500   |
| TORONTO                     | 43 40   | 79 23<br>(C) |                                  | 625   | 750                                       | 100   |                              | 59                         | 8         | 625  | <b>7</b> 50                          | 3600   | 2500<br>2,500  |                            | Δ                               | 600  | 60                         | 3125   | 80   | 2500   |
| FORD MOTOR CO               |         |              |                                  |   |   |   |                              |                            |           |  |                                      |  |  |                            |                                 |  |                            | ,,,,,  |  | 27700  |
| WINDSOR                     | 42 18   | 83 01        | 35<br>36<br>38<br>39<br>52       | 825<br>825<br>825<br>825<br>825               | 800<br>800<br>800<br>800<br>800           | 150<br>150<br>150<br>150<br>200                             | C PO<br>C PO<br>C PO<br>C PO | 36<br>37<br>40<br>53       | C         | 8 00<br>8 00<br>8 00<br>8 00                       | 800<br>800                           | 3600<br>3600<br>3600<br>3600                 | 4000<br>25000<br>25000   | 3.7<br>40<br>53            | A 1                             | 3800<br>3800                                 | 60<br>60<br>60             |  | 80<br>80                                     |  |
| HAMILTON COTTON CO LTD      |         |              |                                  |   |   |   |                              |                            |           |  |                                      |  | 64,000   |                            |                                 |  |                            | 92,500   |  | 74,000   |
| MAMILTON (D)                | 43 15   | 79 51        | 52<br>52                         | 450<br>450                                    | 700<br>720                                |   | C P<br>C S                   | 16                         | н         | 425  | 700                                  | 7400   | 1000   | 30                         | Δ                               | 2200   | 60                         | 1111   | 90   | 1000   |
| HYDRO-ELECTRIC POWER COMMIS | SION OF | ONTAR        | RIO                              |   |   |   |                              |                            |           |  |                                      |  |  |                            |                                 |  |                            |  |  |  |
| LAKEVIEW .                  | 43 34   | (c)          | 68<br>68                         | 2450<br>2450<br>2450<br>2450<br>2450<br>2450  | 1 000<br>1 000<br>1 000<br>1 000<br>1 000 | 2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>200 | CP<br>CP<br>CP<br>CP<br>PF   | 62<br>64<br>55<br>56<br>68 | 0 0 0 0 0 | 23 50<br>23 50<br>23 50<br>23 50<br>23 50<br>23 50 | 1000<br>1000<br>1000<br>1000<br>1000 | 3600<br>3600<br>3600<br>3600<br>3600<br>1800 | 300000<br>300000<br>300000<br>300000<br>300000<br>300000<br>300000 | 62<br>64<br>65<br>66<br>68 | H 1<br>H 1<br>H 1<br>H 1<br>H 1 | 6000<br>8000<br>8000<br>8000<br>8000<br>8000 | 60<br>60<br>60<br>60<br>60 | 352942<br>352942<br>352942<br>352942<br>352941<br>352941<br>352941 | 85<br>85<br>85<br>85<br>85<br>85<br>85<br>85 | 3 00 00 0<br>3 00 00 0 |
| RICHARD L HEARN             | 43 39   | 79 25        |                                  |   |   |   |                              |                            |           |  |                                      | 2,4  | 00,000   |                            |                                 |  | 2,8                        | 23,533   | 2,40   | 70,090   |

| STEAM                      | ×   | BOILERS  | X PRIME MOVERS   | X MAIN GENERATORS X  |
|----------------------------|---|--|--|--|
| COMPANY NAME<br>PLANT NAME | CO ORDINATES<br>LAT LONG<br>YEA                                 | STEAM FUEL<br>STEAM LB/HR AND<br>PSIG TEMP 000 FIRING  | PSIG TEMP (  | MAX COOL POWER CONT -ANT FREQ FACTOR KW YEAR VOLTS KVA KW  |
|                            | (C) 54<br>60<br>60<br>61  | 1900 1000 1350 CP<br>1900 1000 1350 CP   | 59 C 1800 1000 3600 2<br>60 C 1800 1000 3600 2<br>60 C 1800 1000 3600 2<br>61 C 1800 1000 3600 2 | 100000 53 H 13800 60 115000 87 100000<br>200000 59 H 13800 60 235294 85 200000<br>200000 60 H 13800 60 235294 85 200000<br>200000 60 H 13800 60 235294 85 200000<br>200000 61 H 13800 60 235294 85 200000            |
| POLYMER CORPORATION LTD    |   |  |  | 1,101,110  |
| S ARNI A                   | 42 58 82 23<br>(A) 4:<br>(D) 4:<br>5:                           | 440 650 308 CPOG<br>440 650 308 CPOG<br>440 650 308 CPOG<br>440 650 308 CPOG<br>480 650 440 CPOG | 43 P 400 650 3600<br>48 P 400 750 3600<br>56 8 600 750 3600                                      | 10000 43 A 6600 60 12500 80 10000<br>4000 43 A 6600 60 5000 80 4000<br>6000 48 A 13800 60 7143 70 5000<br>15625 56 A 13800 60 15625 85 13281<br>35,625 40,268 32,281   |
| STRATHCONA PAPER CO LTD    |   |  |  |  |
| STRATHCONA                 | 44 19 76 57<br>(U) 31<br>(A) 68                                 | 400 450 25 CS<br>415 490 55 CS<br>700 640 100 0  | 55 B 400 620 3600<br>55 B 400 620 3600   | 2000 55 A 575 60 2000 80 1655<br>2000 55 A 575 60 2000 80 1655<br>4,000 4,000 3,310  |
| WELDWOOD OF CANADA LTD     |   |  |  | 7,000 3,310  |
| WOODSTOCK (D)              | 43 08 80 45<br>47<br>48   | 147 400 23 WDO<br>147 400 23 WDO   | 51 C 138 390 3600  | 500 51 A 480 60 625 80 500   |
|                            | SASKATCHEWAN  |  |  |  |
| SASKATCHEWAN POWER CORP    |   |  |  |  |
| A.L. COLE                  | 52 07 106 38 28 29 35 36 56 56 56 56 56 56 56 56 56 56 56 56 56 | 400 735 85 0G<br>400 800 140 CS<br>400 800 180 CS<br>400 800 225 CSOG<br>415 800 300 0G          | 47   | 10000 29 A 13200 60 12500 80 10000<br>15000 47 A 13800 60 18750 80 15000<br>25000 53 A 13800 60 31250 80 25000<br>25000 54 A 13800 60 31250 80 25000<br>33000 57 H 14400 60 37500 80 30000<br>08,000 131,250 105,000 |
| REGINA                     | 50 25 104 39<br>(D) 44<br>44<br>55                              | 425 825 100 OG   | 25 C 400 700 3600<br>37 C 400 800 3600<br>49 C 400 800 3600<br>55 C 400 800 3600                 | 5000 25 A 4400 60 6250 80 5000<br>15000 37 A 14400 60 18750 80 15000<br>20000 49 A 14400 60 25000 80 20000<br>30000 55 A 14400 60 37500 80 30000   |

81,250 65,000

| STEAM                   |                     | х                        |            | HO TE             | FRS            |        | v        |        | 08.145            | Mour       |                   |           |          |     |                                  |                   |          |                   |
|-------------------------|---------------------|--------------------------|------------|-------------------|----------------|--------|----------|--------|-------------------|------------|-------------------|-----------|----------|-----|----------------------------------|-------------------|----------|-------------------|
| CCMPANY NAME PLANT NAME | CO ORDINA<br>LAT LO |                          |            |                   |                |        |          |        | THRO              | TTLE       | . н. 5            | MAX       | X        | COC | MAIN G                           | FNERATO           | POWER    | X                 |
|                         |                     | YEAR                     | PS IG      | TEMP              | 000            | FIRING | YEAR     | TYPE   | PSIG              | TEMP       | RPM               | CONT      | YEAR     | -AN | T FRE<br>VOLTS                   | QKVA              | FACTO    | K W               |
|                         | ALBERTA             |                          |            |                   |                |        |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
| ALBERTA D.P.W.          |                     |                          |            |                   |                |        |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
| BAKER SANATORIUM        | 51 03 114           | 0.5                      |            |                   |                |        |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
|                         |                     | (C) <u>20</u>            |            | 360<br>360        | 5              | G<br>G | 52<br>54 | В      | 150<br>150        | 366<br>366 | 600               | 125       | 52       | Δ   | <u>550</u> 60                    | 156               | 80       | 125               |
|                         |                     | (C) 41<br>(C) 54         |            | 366<br>366        | 12             | G      |          |        |                   | 300        | 7.4.4             | 100       | 54       | ^   | 7100 00                          | 210               | 80       | 168               |
| ************            |                     |                          |            |                   |                |        |          |        |                   |            |                   | 293       |          |     |                                  | 366               |          | 243               |
| DEERHOME                |                     | 48<br>(C) 54<br>(C) 54   | 1 25       |                   | 15             |        |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
|                         |                     | (c) 60<br>(D) 67         | 125        | 353               | 15             | G      | 65       | В      | 1 25              | 353        | 600               | 125       | 65       | A   | 4160 60                          | 156               | 80       | 125               |
|                         |                     |                          |            |                   |                |        |          |        |                   |            |                   | 125       |          |     |                                  | 156               |          | 125               |
| EDMONTON-HOSPITAL       |                     | J) 19                    | 150        | 366               | 10             | (,     |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
|                         |                     | (い) 19<br>40<br>(い)      | 150<br>150 |                   | 10             |        | 29<br>41 |        | 150               |            | 400               |           |          |     | 2300 60                          |                   | 80       | 200               |
|                         | (                   | () 46<br>() 61           | 150<br>150 |                   | 25<br>30       |        | 32 27    | 8      | 150<br>150<br>150 | 366        | 200<br>327<br>300 | 600       | 32       | A   | 2300 60<br>2300 60<br>2300 60    | 375<br>750<br>625 | 80       | 300<br>600<br>500 |
|                         |                     |                          |            |                   |                |        |          |        |                   |            |                   | 1,300     |          |     |                                  | 1,625             |          | 1,300             |
| EDMONTON                |                     | () 50                    | 185        |                   | 30             |        | 53       | В      | 175               | 378        | 327               | 800       | 53       | A   | 2400 60                          | 1000              | 80       | 800               |
|                         |                     | () 51                    | 185<br>185 |                   | 30             |        | 59<br>46 | 8      | 185               |            |                   |           |          |     | 2400 60<br>2400 60               | 1000<br>625       |          | 800<br>500        |
| FT SASKATCHEWAN         | 52.40.445           |                          |            |                   |                |        |          |        |                   |            |                   | 2,100     |          |     |                                  | 2,625             |          | 2,100             |
| FI SASKATCHEWAN         | 53 43 113           | 13<br>() <u>50</u><br>51 | 150<br>150 |                   | 10             |        | 48<br>62 | B<br>B | 150<br>150        |            |                   | 80        | 54       | A   | 2400 60<br>2400 60               | 100               |          | 80                |
|                         | (                   | () 54                    | 150        |                   | 15             |        | O Z      | Ь      | 1 70              | ,00        | ,14               | 100       | 02       | д   | 2400 60                          | 210               | NI C     | 168               |
| INST OF TECH            | 51 03 114           | 05                       |            |                   |                |        |          |        |                   |            |                   | 248       |          |     |                                  | 310               |          | 248               |
|                         |                     | c) 21<br>21              |            | 388               | 10             | G      |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
|                         | (                   | C) 56<br>67<br>67        | 185        | 388<br>375<br>375 | 30<br>70<br>70 | G      | 59       | В      | 185               | 378 8      | 3000              | 600       | 59       | Д   | 4150 60                          | 750               | 80       | 600               |
|                         |                     |                          |            |                   |                |        |          |        |                   |            |                   | 600       |          |     |                                  | 750               |          | 600               |
| LETHBRIDGE-GAOL         | 49 42 112           | 51 61                    | 150        | 366               | 5              | G      |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |
|                         | (                   | () 40                    | 150<br>150 | 366               | 15             | G      | 56<br>57 |        | 150<br>150        |            |                   | 80<br>120 | 56<br>57 | A   | 2300 60<br>2300 60               | 100<br>150        |          | 80<br>120         |
|                         |                     |                          |            |                   |                |        |          |        |                   |            |                   | 200       |          |     |                                  | 250               |          | 200               |
| PONOK A-HOSP (TAL       |                     | 35<br>( ) 5)<br>( ) 51   |            | 388               |                | G      | 51       |        | 195               |            |                   |           |          |     | 2300 60                          | 250               | 80       | 200               |
|                         | (                   | () 54                    |            | 388<br>388        | 30<br>30       |        | 61       |        | 195<br>195        |            |                   |           | 61<br>61 |     | <u>2300</u> 60<br><u>2300</u> 60 | 750<br>750        | 80<br>80 | 600               |
| RED DEER-HOSPITAL       | 52 16 113           | <i>t.</i> 6.             |            |                   |                |        |          |        |                   |            |                   | 1,400     |          |     |                                  | 1,750             | 1        | 400               |
| ALD DEEK HOSPITAL       | ( )                 | () 49<br>() 49           | 150<br>150 | 366<br>366        | 5              |        | 51<br>55 |        | 150<br>150        |            |                   |           |          |     | 2300 60<br>2300 60               | 125               | 80<br>80 | 100               |
|                         | ( (                 | 5) 53<br>() 51<br>61     | 150<br>150 | 366<br>366        | 10             | G<br>G | 63       |        | 150               |            |                   |           | 63       |     | 2300 60                          | 500               | 80       | 400               |
|                         |                     | 91                       | 160        | 370               | 35             | 0      |          |        |                   |            |                   | 750       |          |     |                                  | 937               |          | 750               |
|                         |                     |                          |            |                   |                |        |          |        |                   |            |                   |           |          |     |                                  |                   |          |                   |

| STEAM                     | X BOILERS                                |  |  |                                       | Х                               |                            | PRIME   | MOVE                            | RS                   | 1                            | K                          |                 | MAIN G               | ENERATOR                                       | 2.5  | х              |  |
|---------------------------|--|--|--|---------------------------------------|---------------------------------|----------------------------|---------|---------------------------------|----------------------|------------------------------|----------------------------|-----------------|----------------------|--|--|----------------|--|
| COMPANY NAME OLANT NAME   | CO ORDINATES                             |  | STEAM<br>PSIG TEMI   | STEAM<br>LB/HR<br>000                 | AND                             | YEAR                       | TYPE    | PSIG                            |                      | p                            | MAX<br>CONT<br>KW          | A               |                      | FRE  |  | POWER          |  |
| SOUTH POWER PLANT         | 53 33 113 28<br>(C)<br>(C)<br>(C)<br>(C) | <u>60</u>                                    | 10 266<br>425 715<br>425 715<br>425 715  | 150<br>150                            | G<br>G                          | 59<br>63                   | P<br>B  | 425                             | 750                  | 7000<br>6000                 |                            | 63              | A 4                  | 160 60   | 6250   | 80             | 5000<br>5,000                                  |
| CANADIAN SUGAR FACTORIES  | LTO                                      |  |  |                                       |                                 |                            |         |                                 |                      |                              | ,,,,,                      |                 |                      |  |  |                |  |
| PICTURE BUTTE             | 49 53 112 <b>47</b>                      | 36<br>36<br>64                               | 250 <b>55</b> 0<br>250 550<br>240 550  | 50                                    | GO<br>GO<br>G                   | 36<br>64<br>68             | B<br>B  | 240<br>240<br>240               | 535                  | 4500<br>4500<br>4500         | 938                        | 36<br>64<br>68  |                      | 480 60<br>480 60<br>480 60                     | 938  | 80<br>80<br>80 | 1250<br>750<br>750<br>2,750                    |
| PAN AMERICAN PETROLEUM CO | RPCRATION                                |  |  |                                       |                                 |                            |         |                                 |                      |                              |                            |                 |                      |  |  |                |  |
| EAST CROSSFIELD (A)       | 51 26 114 01                             | 68<br>68                                     | 300 420<br>300 420   |                                       | G<br>G                          | 68<br>68                   | ВВ      | 65<br>65                        |                      | 3650<br>3650                 |                            |                 | H                    | 440 60<br>440 60                               |  | 100            | 420<br>420<br>840                              |
| SHERRITT-GORDON MINES LTD |  |  |  |                                       |                                 |                            |         |                                 |                      |                              | (140                       |                 |                      |  | 040  |                | 040  |
| FORT SASKATCHEWAN         | 53 43 113 13 (C)                         |  | 900 750<br>900 750   |                                       |                                 | 54<br>59                   |         | 8 75<br>8 75                    |                      |                              |                            | 54<br>59        |                      | 160 60<br>160 60                               |  | 80             | 2500<br>2500<br>5,000                          |
|                           | BRITISH COLUMB                           | Ι Δ  |  |                                       |                                 |                            |         |                                 |                      |                              |                            |                 |                      |  |  |                |  |
| BC FOREST PRODUCTS LTD    |  |  |  |                                       |                                 |                            |         |                                 |                      |                              |                            |                 |                      |  |  |                |  |
| COMICHAN                  | 48 53 124 13<br>(A)                      | 30<br>30<br>30<br>30<br>41<br>54<br>57<br>30 | 205 456<br>155 366<br>155 361<br>155 361<br>170 360<br>170 360<br>155 360<br>700 825 | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | M D<br>M D<br>M D<br>M D<br>M D | 10<br>15<br>15<br>18<br>45 | 0 0 0 0 | 150<br>150<br>200<br>200<br>600 | 825                  | 3600<br>3600<br>3600<br>3600 | 750<br>800<br>2000         | 15<br>15<br>18  |                      | 48C 60<br>480 60<br>480 60<br>480 60<br>300 60 | 900<br>1000<br>2500                            |                | 750<br>750<br>800<br>2000<br>5000              |
| BC HYDRO AND POWER AUTHOR | ETY                                      |  |  |                                       |                                 |                            |         |                                 |                      |                              | 9,300                      |                 |                      |  | 11,550   |                | 9, 300   |
|                           |  |  |  |                                       |                                 |                            |         |                                 |                      |                              |                            |                 |                      |  |  |                |  |
| BURRARD                   | 49 17 122 52<br>(A)                      | 63<br>65<br>67                               | 1850 1010<br>1850 1010<br>1850 1010<br>1850 1010                                     | 1050<br>1050<br>1050                  | G 0<br>G 0                      | 62<br>63<br>65<br>67<br>68 | C<br>C  | 18 00<br>18 00<br>18 00         | 1000<br>1000<br>1000 | 3600<br>3600<br>3600         | 150000<br>150000<br>150000 | 63<br>65<br>.67 | H 16<br>H 16<br>H 16 | 500 60<br>500 60                               | 180000<br>180000<br>180000<br>180000<br>180000 | 90<br>90<br>90 | 162000<br>162000<br>152000<br>162000<br>162000 |

900,000 810,000

750,000

| STEAM   |  | х                                | во   | ILERS                                     |   | К                    |        | PR I ME                  | MOVE                     | RS           |                              | х              |     | MAIN G                        | ENERATO                      | )RS   | x                    |
|---|--|----------------------------------|--|---|---|----------------------|--------|--------------------------|--------------------------|--------------|------------------------------|----------------|-----|-------------------------------|------------------------------|-------|----------------------|
| COMPANY NAME<br>PLANT NAME                              | CO ORDINATES                                       |                                  | STEAM<br>PSIG TEM  | STEAM<br>LB/HR<br>P 000                   | AND   | YEAR                 | TYPE   | THRO                     | TTLE<br>TEMP             | RPM          | MAX<br>CONT                  |                | OOL |                               |                              | POWE  |                      |
| EAGLE LAKE SAWMILLS LTD                                 |  |                                  |  |   |   |                      |        |                          |                          |              |                              | , ,            | ,   | , OC 13                       | KVA                          |       | Ки                   |
| GISCOME (D)   | 54 04 122 22                                       | 64                               | 180 45<br>180 45   |   | W   | 57<br>65             | c      | 150<br>180               | 400<br>450               | 3600<br>3600 |                              | 57<br>65       |     | 480 60<br>480 60              |                              |       | 1500<br>2400         |
| HILLCREST LUMBER CO LTD                                 |  |                                  |  |   |   |                      |        |                          |                          |              |                              |                |     |                               |                              |       |                      |
| MESACHIE (D)  | 48 49 124 07                                       | 21<br>28<br>41<br>41<br>41<br>59 | 150 36<br>150 36<br>150 36<br>150 36<br>150 36<br>150 36                             | 9 9 9                                     | 2<br>2<br>2<br>2<br>3   | <b>49</b><br>49      |        | 150<br>15                | 360<br>250               | 1800<br>3600 | 1600<br>750                  | 49<br>49       |     | 480 60<br>480 60              |                              | 80 80 | 1600<br>750          |
| MACMILLAN BLOEDEL LTD                                   |  |                                  |  |   |   |                      |        |                          |                          |              |                              |                |     |                               |                              |       |                      |
| CANADIAN WHITE PINE (C)<br>(FORMERLY KNOWN AS VANCOUVER | 49 16 123 07<br>R) (C)<br>(C)<br>(C)<br>(C)<br>(C) | 40<br>40<br>51<br>51             | 200 541<br>200 38<br>200 38<br>200 550<br>200 38<br>275 540                          | 18<br>18<br>65<br>65                      | W D<br>W C<br>W S<br>W D<br>W S   | 10<br>12<br>16<br>35 | C C C  | 175<br>175<br>175<br>175 | 450<br>450<br>450<br>565 | 3600<br>3600 | 1000<br>1500                 |                |     | 2300 60<br>2300 60            | 937                          | 80    | 750<br>4000          |
| POWELL RIVER  | 49 52 124 33                                       |                                  |  |   |   |                      |        |                          |                          |              | 7,250                        |                |     |                               | 5,937                        |       | 4,750                |
|   |  | 51<br>58<br>64<br>67             | 180 550<br>180 550<br>180 550<br>180 550<br>180 550<br>600 800<br>600 800<br>900 925 | 80<br>70<br>45<br>50<br>150<br>200<br>250 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 48<br>51<br>60<br>67 | B<br>B | 5 5 0                    | 435                      | 3000         | 12500<br>2700                | 48<br>51<br>60 | A   | 6600 50<br>550 DC<br>6600 50  | 13125                        | 80    | 1875                 |
|   | (A)  |                                  | 925 825  |   | 0   | 01                   | to .   | 900                      | 925                      |              | 54,700                       | 01             | AI  | 3800 60                       | 56+350                       |       | 50,925               |
| WESTCOAST TRANSMISSION CO L'                            | ТО   |                                  |  |   |   |                      |        |                          |                          |              | 24,100                       |                |     |                               | 20 + 330                     |       | 20, 723              |
| MC MAHON  | (c)  | 57<br>57                         | 425 566<br>425 566<br>425 566<br>425 560   | 150<br>150                                | 60<br>60<br>6   | 57<br>57<br>57       | CE     | 425                      | 560 5<br>560 5<br>560 5  | 500          | 2500<br>2500<br>2500<br>2500 | 57             | Α 4 | 4160 60<br>4160 60<br>4160 60 | 3125<br>3125<br>3125<br>3125 | 80    | 2500<br>2500<br>2500 |

| INTERNAL                   | COMBUSTION    | х  |                                       |   |                            | PRIME M                    | OVERS                         |  |   | :  | c  | MA                              | IP CE          | ENERATO  | RS                                     | х  |
|----------------------------|---------------|--|---------------------------------------|---|----------------------------|----------------------------|-------------------------------|--|---|--|--|---------------------------------|----------------|--|--|--|
| COMPANY NAME<br>PLANT NAME | CO DRDINATES  |  | TYPE                                  | FUEL 1                                  | CYCLE                      | SUPER<br>CHARGED           | NO OF<br>CYLINDERS            | RPM  | нР  | KW   | YEAR   | VOLTS                           | FREQ           |  | POWER<br>FACTOR                        | KW   |
|                            | NEWFOUNDLAND  |  |                                       |   |                            |                            |                               |  |   |  |  |                                 |                |  |  |  |
| FEDERAL DEPT OF TRANSPOR   | ī             |  |                                       |   |                            |                            |                               |  |   |  |  |                                 |                |  |  |  |
| GOOSE BAY                  | ((            | ) 52<br>) 52<br>) 52<br>) 52<br>) 58<br>) 68   | D D D D D                             | D D D D D D D D D D D D D D D D D D D   | 4 4 4 2 2 4                | Y<br>Y<br>Y<br>Y<br>Y      | 8<br>8<br>8<br>16<br>20<br>16 | 360<br>360<br>360<br>360<br>720<br>900<br>1200       | 1140<br>1140<br>1140<br>1140<br>1440<br>3600<br>1215          | 750<br>750<br>750<br>750<br>750<br>1000<br>2500<br>700 | 52<br>52<br>52<br>52<br>58<br>68             | 4160<br>4160                    | 60<br>60<br>60 | 938<br>938<br>938<br>938<br>1250<br>3125<br>875    | 80<br>80<br>80<br>80<br>80<br>80       | 750<br>750<br>750<br>750<br>750<br>1000<br>2500<br>700 |
|                            |               |  |                                       |   |                            |                            |                               | 10,  | 815   | 7,20   | 0  |                                 |                | 9,002  |  | 7,200  |
| FIRST MARITIMES MINING CO  | DRP           |  |                                       |   |                            |                            |                               |  |   |  |  |                                 |                |  |  |  |
| TILT COVE (D)              | 49 53 55 35   | 57   | D                                     | 0                                       | 4                          | Υ                          | 12                            | 720  | 1368  | 950  | 57   | 2300                            | 60             | 1118   | 85                                     | 950  |
| FISHERY PRODUCTS LTD       |               |  |                                       |   |                            |                            |                               |  |   |  |  |                                 |                |  |  |  |
| BURIN (D)                  | 47 02 55 10   | 49   | D                                     | D                                       | 4                          | N                          | 6                             | 450  | 400   | 300  | 45   | 240                             | 60             | 375  | 80                                     | 300  |
| NELPACK FISHERIES LTD      |               |  |                                       |   |                            |                            |                               |  |   |  |  |                                 |                |  |  |  |
| ISLE AUX MORTS (D)         | 47 36 59 01   | 55<br>55<br>55                                 | D<br>D                                | D<br>D                                  | 4,<br>4,<br>4,             | M<br>N                     | 64<br>64<br>64                | 1200<br>1200<br>1900                                 | 105<br>75<br>105  | 60<br>40<br>60   | 55<br>55<br>55                               | 220<br>220<br>220               |                | 75<br>50<br>75                                     | 80<br>80<br>80                         | 60<br>40<br>60   |
| NEWFOUNDLAND FLUORSPAR t   | TD            |  |                                       |   |                            |                            |                               |  |   |  |  |                                 |                |  |  |  |
| POWER PLANT (A)            | 46 55 55 2:   | 5 49<br>49<br>52<br>52<br>42<br>54<br>62<br>62 | D D D D D D D D D D D D D D D D D D D | 0 | 4<br>4<br>4<br>4<br>4<br>4 | N<br>N<br>N<br>N<br>N<br>Y | 6<br>6<br>6<br>6<br>8<br>8    | 900<br>900<br>900<br>900<br>900<br>720<br>720<br>720 | 125<br>125<br>125<br>125<br>125<br>125<br>482<br>1036<br>1036 | 94<br>94<br>94<br>94<br>94<br>360<br>770<br>770        | 49<br>49<br>52<br>52<br>42<br>54<br>62<br>62 | 240<br>240<br>480<br>480<br>480 |                | 100<br>93<br>93<br>100<br>100<br>415<br>906<br>906 | 75<br>80<br>80<br>75<br>75<br>87<br>87 | 75<br>74<br>74<br>75<br>75<br>360<br>775<br>775        |
| NEWFOUNDLAND & LABRADOR    | GOVERNMENT OF |  |                                       |   |                            |                            |                               | 3 9  | ~ ( )   | 2431   |  |                                 |                | . 1113   |  | 21203  |
| MAKKOVIK                   | . (1          | 65   | 0 0 0                                 | D<br>D<br>D                             | 4 4 4                      | N<br>N<br>N                | 44<br>45<br>64<br>64          | 2000<br>1800<br>1800<br>1800                         | 65<br>56<br>100<br>100  | 60<br>54<br>50<br>50                                   | 65<br>67<br>68<br>68                         | 220<br>220<br>600<br>600        | 60<br>60<br>60 | 75<br>60<br>63<br>63                               | 80<br>80<br>80<br>80                   | 60<br>54<br>50<br>50                                   |

| INTERNAL                | COMBUSTION     |  | x                                |              |             |  | PRIME                                 | MOVERS                           |  |  |   | x                                | M  | AIN GE                           | NERAT   | DR S                             | x   |
|-------------------------|----------------|--|----------------------------------|--------------|-------------|--|---------------------------------------|----------------------------------|--|--|---|----------------------------------|--|----------------------------------|---|----------------------------------|---|
| COMPANY NAME PLANT NAME | CO URDI<br>LAT |  | VE AD                            | THOS         | F11F1       |  | SUPFR                                 | NO OF                            |  |  |   |                                  |  |                                  |   | POWER                            |   |
| NAIN                    | 56 33          |  |                                  | TYPE         | FUEL        | CACLE  | CHARGED                               | CYLINDERS                        | K K P M  | HP   | KW  | YFAR                             | VCLTS  | FREQ                             | ΚVΔ   |                                  | K n   |
|                         |                | (D)<br>(D)<br>(A)<br>(A)               | ) 57<br>) 57                     | 0 0          | 0 0 0       | 4 4 4 4 4                                    | 7 2 7 2 X Y                           | 3<br>3<br>6<br>4                 | 1200<br>1200<br>1200<br>1200<br>1800<br>1800                 | 35<br>35<br>60<br>100<br>120                       | 21<br>21<br>21<br>45<br>75                      | 57<br>57<br>57<br>65<br>67<br>68 | 110<br>110<br>110<br>110<br>120<br>120         |                                  | 26<br>26<br>26<br>45<br>75<br>94                | 80<br>80<br>75<br>80<br>80       | 21<br>21<br>34<br>60<br>75                      |
| NELD & LAB POWER COMM   |                |  |                                  |              |             |  |                                       |                                  |  | 280  | 21  | 0                                |  |                                  | 214   |                                  | 169   |
| BAY L ARGENT (D)        | 47 33          | 54 53                                  | 65<br>65<br>65                   | t)<br>D<br>D | р<br>0<br>0 | 4<br>4<br>4                                  | N<br>N<br>N                           | я<br>8<br>8                      | 1800<br>1800<br>1900   | 175<br>175<br>175                                  | 130<br>130<br>130                               | 65<br>65<br>65                   | 500<br>600<br>600                              | 60<br>60<br>60                   | 125<br>125<br>125                               | 8 0<br>8 0<br>8 0                | 100<br>100<br>100                               |
| BELLEORAM               | 47 31          | (c)                                    | ) 66<br>) 66                     | 0            | p<br>D      | 4 4  | N<br>N<br>N                           | я<br>8<br>8                      | 1800<br>1800   | 175<br>175<br>175                                  | 100<br>100<br>100                               | 66<br>66<br>66                   | 600<br>600                                     | 60<br>60                         | 125<br>125<br>125                               | 8 U<br>8 G<br>8 O                | 100<br>130<br>100                               |
| BONNE BAY               | 4 + 30         | 7 55                                   |                                  |              |             |  |                                       |                                  |  | 725  | 300   | )                                |  |                                  | 375   |                                  | 3.5.)   |
|                         |                | (C)                                    | 63                               | D<br>C<br>C  | D<br>D<br>D | 4 4 4  | ~ ~ ~                                 | 6<br>6                           | 720<br>720<br>720<br>720                                     | 175<br>175<br>175<br>175                           | 100<br>100<br>100                               | 63<br>63<br>66<br>67             | 208<br>208<br>208<br>208                       | 60<br>60<br>60                   | 125<br>125<br>125<br>125                        | 80<br>80<br>80                   | 100<br>100<br>100<br>100                        |
| BRENTS COVE (D)         | 4 / 56 5       | 55 43                                  |                                  |              |             |  |                                       |                                  |  | 750  | 400   | )                                |  |                                  | 500   |                                  | 400   |
|                         |                |  | 67                               |              | p<br>D      | 4  | N                                     | 4                                | 1400<br>1400   | 50<br>50   | 3.7<br>3.7                                      | 67<br>67                         | 600<br>600                                     | 60<br>60                         | 38<br>38  | 8 0<br>8 0                       | 30<br>30  |
| BURLINGTON              | 49 45 5        |  | 65<br>65                         | 0            | n<br>D      | 4  | N<br>N                                | <u>C</u>                         | 900<br>1800  | 93<br>75   | <u>50</u>                                       | 65<br>65                         | 600<br>600                                     | 60<br>60                         | 63  | 80<br>80                         | <u>50</u><br>50                                 |
| BURGEO                  | 47 36 5        | 7 34                                   |                                  |              |             |  |                                       |                                  |  | 158  | 106   | •                                |  |                                  | 126   |                                  | 100   |
| *,                      |                | (D)<br>(C)<br>(C)<br>(A)<br>(A)<br>(A) | 62<br>62<br>67<br>65<br>68<br>68 |              | 0 0 0 0 0   | 49<br>49<br>40<br>40<br>40<br>40<br>40<br>40 | A A A A A A A A A A A A A A A A A A A | 6<br>6<br>8<br>4<br>8<br>12<br>4 | 1900<br>1800<br>1800<br>1200<br>1300<br>1200<br>1200<br>1800 | 115<br>116<br>100<br>350<br>75<br>525<br>425<br>75 | 46<br>86<br>60<br>200<br>60<br>300<br>250<br>60 | 67<br>62<br>67<br>68<br>68<br>68 | 600<br>600<br>600<br>600<br>600<br>2400<br>600 | 60<br>60<br>60<br>60<br>60<br>60 | 75<br>75<br>75<br>250<br>75<br>375<br>312<br>75 | 80<br>80<br>80<br>80<br>80<br>80 | 60<br>50<br>50<br>200<br>60<br>300<br>250<br>60 |
| CAPE RAY                | 47 37 5        | 9 15                                   |                                  |              |             |  |                                       |                                  | 1+   | 550  | 930   |                                  |  | 1                                | ,162  |                                  | <del>3</del> 30                                 |
|                         | 7737 5         | (D)<br>(C)<br>(C)<br>(A)               | 66<br>67<br>68                   | D D          | D D         | 4 4  | N<br>N<br>N                           | 2 2 2 5 6                        | 1200<br>1200<br>1200<br>1200                                 | 24<br>14<br>14<br>75                               | 18<br>12<br>12<br>60                            | 65<br>65<br>67<br>68             | 600<br>600<br>600                              | 60<br>60<br>60                   | 15<br>15<br>15<br>75                            | 80<br>80<br>80<br>80             | 12<br>12<br>12<br>60                            |
| CARTURICUE              | F2 42          |  |                                  |              |             |  |                                       |                                  | 1  | .03  | 84  |                                  |  |                                  | 105   |                                  | 84  |
| CARTWRIGHT              | 53 43 5        | 7 00<br>(A)<br>(A)                     | 66<br>66<br>68                   |              | D<br>D<br>D | 4<br>4<br>4<br>4                             | 2 2 2 2                               | 4<br>4<br>6<br>6                 | 1800<br>1800<br>1800   | 75<br>75<br>75<br>75                               | 56<br>56<br>60<br>60                            | 66<br>66<br>68                   | 600<br>600                                     | 60<br>60<br>60                   | 50<br>50<br>75<br>75                            | 80<br>80<br>80<br>80             | 40<br>40<br>60                                  |
|                         |                |  |                                  |              |             |  |                                       |                                  |  | 00   | 232   |                                  |  |                                  | 250   |                                  | 200   |

| INTERNAL                | COMBUSTI | ON     | Х                 |                  |             |        |       | PRIME            | HOVERS             |                      |                   | :                 | К              | MA                | IN GE    | NERAT             | ORS             | к                 |
|-------------------------|----------|--------|-------------------|------------------|-------------|--------|-------|------------------|--------------------|----------------------|-------------------|-------------------|----------------|-------------------|----------|-------------------|-----------------|-------------------|
| COMPANY NAME PLANT NAME |          | DINATI | G                 | 'E AR            | TYPE        | FUEL   | CYCLE | SUPER<br>CHARGED | NO OF<br>CYLINDERS | RPM                  | НР                | KW                | YEAR           | VOLTS             | FREQ     | KVA               | POWER<br>FACTOR | К₩                |
| CHANGE ISLANDS          | 49 40    |        | 24<br>(C)<br>(C)  |                  | D           | D      | 4     | N<br>N           | 6                  | 1800<br>1800         | 100               | <u>60</u>         | 65<br>65       | 600               | 60<br>60 | 75<br>75          | 8 O<br>8 O      | 60<br>60          |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 200               | 12                | 0              |                   |          | 150               |                 | 120               |
| COOKS HARBOUR (A)       | 51 36    | 55     |                   | 67<br>67         | D           | D      | 4 4   | N<br>N           | 4                  | 1800                 | 64<br>54          | 40<br>40          | 67<br>67       | 600               | 60<br>60 | 50<br>50          | 80<br>80        | 40                |
|                         |          |        |                   | 67               | D           | D      | 4     | N                | 4                  | 1800                 | 54                | 40                | 67             | 600               | 60       | . 50              | 80              | 40                |
| COW HEAD                | 40 55    | 57     | 40                |                  |             |        |       |                  |                    |                      | 172               | L                 | 20             |                   |          | 150               |                 | 120               |
| COM READ                | 47 79    |        | (C)               | 66<br>66         | 0<br>0<br>0 | 0      | 4 4   | N<br>N<br>N      | 4<br>4<br>6        | 1800<br>1800<br>1800 | 66<br>100         | 40<br>40<br>60    | 66<br>66<br>67 | 600<br>600        |          | 50<br>50<br>75    | 80<br>80        | 40<br>40<br>60    |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 232               | 14                | 0              |                   |          | 175               |                 | 140               |
| DANIELS HARBOUR (A)     | 50 14    | 57 4   |                   | 68<br>68         | D<br>D      | D<br>D | 4     | Y                | 4                  | 1800                 | 75<br>75          | 60                | 68<br>68       | 208               | 60<br>60 | 75<br>75          | 80              | 60                |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 150               | 12                |                |                   |          | 150               |                 | 120               |
| ENGLEE                  | 50 44    | 56 (   | 06                |                  |             |        | ,     | A1               |                    | 1 9 0 0              | 100               |                   | 15             |                   |          | 7.0               | 0.0             |                   |
|                         |          |        | (C)<br>(C)<br>(A) | 65               | 0           | 000    | 4 4   | N<br>N<br>Y      | 6<br>6<br>4        | 1800<br>1800<br>1800 | 100<br>100<br>75  | 60<br>60          | 65<br>65<br>68 | 600<br>600        | 60<br>60 | 75<br>75<br>75    | 80<br>80<br>80  | 60<br>60          |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 275               | 18                | 0              |                   |          | 225               |                 | 180               |
| ENGLISH HARBOUR EAST    | (A)47 37 | 54 !   |                   | 6 <b>8</b><br>68 | D           | D<br>D | 4     | N<br>N           | 6                  | 1200<br>1200         | 75<br>75          | 60                | 68<br>68       | 600               | 60<br>60 | 75<br>75          | 8 O<br>8 O      | 60<br>60          |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 150               | 12                | 0              |                   |          | 150               |                 | 120               |
| EAIR HAVEN              | 47 32    |        | (C)               | 65<br>65         | D<br>D      | D<br>D | 4     | N<br>N           | 2 2                | 1200<br>1200         | 18<br>18          | 12                | 65<br>65       | 600               | 60<br>60 | 15<br>15          | 80              | 12<br>12          |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 36                | 2                 | 4              |                   |          | 30                |                 | 24                |
| FLOWERS COVE            | 51 18    | 56     | 44<br>(C)         | 65               | D           | D      | 4     | N                | 6                  | 720                  | 175               | 100               | 65             | 208               | 60       | 125               | 80              | 100               |
|                         |          |        | (c)<br>(A)        | 65<br>67<br>67   | D           | D<br>D | 4 4   | N<br>Y<br>Y      | 6 6                | 720<br>1800<br>1800  | 175<br>350<br>350 | 100<br>200<br>200 | 65<br>67<br>67 | 208<br>600<br>600 | 60       | 125<br>250<br>250 | 80<br>80<br>80  | 100<br>200<br>200 |
|                         |          |        |                   |                  |             |        |       |                  |                    | 1,                   | 050               | 60                | n              |                   |          | 750               |                 | 600               |
| FOGO                    | 49 43    | 54     | 17<br>(C)         | 65               | D           | D      | 4     | N                | 6                  | 720                  | 146               | 100               | 65             | 208               | 60       | 125               | 80              | 100               |
|                         |          | (      | (c)               |                  | D           | 0      | 4     | N                | 6                  | 720<br>720           | 146<br>146        | 100<br>100<br>100 | 65<br>65       | 208<br>208        | 60       | 125<br>125        | 80<br>80        | 100               |
|                         |          | (      | (c)<br>(c)        | 67               | 0           | D      | 4     | N<br>N           | 6                  | 720<br>720           | 146               | 100               | 67<br>67       | 208<br>208        | 60       | 125<br>125        | 80              | 100               |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 730               | 50                | D              |                   |          | 625               |                 | 500               |
| FRANCOIS                | 47 34    | 56 4   | (D)               | 65               | D           | D      | 4     | N                | 2                  | 1800                 | 3.8               | 28                | 65             | 600               | 60       | 25                | 80              | 20                |
|                         |          | (      | (A)               | 65<br>68<br>68   | D<br>D      | D<br>D | 4 4   | N<br>A<br>N      | 2 .<br>6<br>4      | 1800<br>1800<br>1200 | 24<br>54<br>54    | 20<br>40<br>40    | 65<br>68<br>68 | 600<br>600        | 60<br>60 | 25<br>50<br>50    | 80<br>80<br>80  | 20<br>40          |
|                         |          |        | , ,               |                  | .,          | D      | 7     | 14               | ~                  | 1200                 | 132               |                   | 0 .            | 800               | 80       | 125               | 60              | 100               |
| FLEUR DE LYS (A)        | 50 08    | 56 (   | 08                | 4.0              |             |        |       | V                |                    | 100/                 |                   |                   |                |                   |          |                   |                 |                   |
|                         |          |        |                   | 68<br>68         | 0           | D      | 4     | Y                | 4                  | 1800                 | 75<br>75          | 60                | 68             | 208               | 60<br>60 | 75<br>75          | 80              | 60                |
|                         |          |        |                   |                  |             |        |       |                  |                    |                      | 150               | 12                | 0              |                   |          | 150               |                 | 120               |

| INTERNAL                | COMBUSTI | ON |                  | X                          |        |               |               | PRIME                                 | MOVERS                   |   |  |   | x                    | MΔ  | IN GE          | NERATO  | DR5                                    |                               |
|-------------------------|----------|----|------------------|----------------------------|--------|---------------|---------------|---------------------------------------|--------------------------|---|--|---|----------------------|---|----------------|---|--|-------------------------------|
| CCMPANY NAME PLANT NAME | CO OR    |    | NG               | YE AR                      | TYPE   | FUEL          | CYCLE         | SUPER<br>CHARGED                      | NO OF                    | RPM                                     | НР                                       | KW  | YEAR                 | VOLTS   | FREO           | KVA   | POWER<br>FACTOR                        | K In                          |
| GALLANTS                | 48 42    | 58 | 14<br>(C)<br>(C) | 65<br>65<br>67             | D<br>D | D<br>D        | 4 4           | N N N N N N N N N N N N N N N N N N N | 2 2 4                    | 1800<br>1800<br>1800                    | 24<br>24<br>66                           | 20<br>20<br>40  | 65<br>65<br>67       | 600<br>600<br>600   | 60             | 25<br>25<br>50                                  | 80<br>80<br>80                         | 20/                           |
| GAULTOIS                | 47 37    | 55 | (C)              | 65                         | D      | D             | 4             | N                                     | 8                        | 900                                     | 114                                      | 9 <u>6</u>  | 65                   | 2400  | 60             | 100   | 8.0                                    | 30                            |
|                         |          |    | (c)              | 65<br>65<br>65             | 0 0 0  | 0 0           | 4 4           | N<br>N<br>Y                           | 8<br>6<br>8<br>12        | 900<br>900<br>900<br>1200               | 165<br>165<br>165<br>412                 | 96<br>96<br>96<br>250   | 65<br>65<br>65       | 2400<br>2400<br>2400<br>600                               | 60<br>60       | 120<br>120<br>120<br>312                        | 80<br>80<br>80<br>80                   | 46<br>96<br>96<br>96<br>250   |
|                         |          |    |                  |                            |        |               |               |                                       |                          | 1,                                      | 072                                      | 53  | 4                    |   |                | 792   |  | 534                           |
| GRAND LE PIERRE (A)     | 47 39    | 54 | 48               | 68<br>68                   | 0      | 0             | 4             | N<br>N                                | 4<br>2                   | 1800<br>1200                            | 54<br>14                                 | 40<br>12  | 68                   | 600<br>600  |                | 50<br>15  | 80<br>80                               | 40 12                         |
| HAMPDEN                 | 49 33    | 56 | 52               |                            |        |               |               |                                       |                          |   |  |   |                      |   |                |   |  | 7.2                           |
|                         |          |    | (C)              | 65<br>67<br>67             | D<br>D | 0             | 4 4           | N<br>N<br>N                           | 6                        | 1800<br>1800<br>1900                    | 100<br>100                               | 4660  | 67<br>67             | 500<br>500<br>500   |                | 50<br>75<br><b>7</b> 5                          | 80<br>80<br>80                         | r.,                           |
| WARRY WALLEY (D)        | £2.10    |    |                  |                            |        |               |               |                                       |                          |   | 266                                      | 1 ^   |                      |   |                | 200   |  | 1 '                           |
| HAPPY VALLEY (D)        | 53 18    | 60 | 18               | 60<br>67<br>67<br>63<br>67 | 000000 | D D D D D D D | 2 2 4 4 2 4 4 | N<br>N<br>N<br>N<br>N                 | 6<br>16<br>16<br>16<br>8 | 650<br>650<br>720<br>720<br>650<br>1200 | 375<br>375<br>1600<br>1600<br>375<br>400 | 2 A C<br>2 A C<br>1 2 C C<br>1 2 V C<br>2 A<br>3 C C<br>3 C C | 60<br>67<br>57<br>63 | 2400<br>2400<br>2400<br>2400<br>2400<br>240<br>500<br>500 | 50<br>50<br>50 | 312<br>312<br>1375<br>1375<br>312<br>315<br>315 | 80<br>80<br>80<br>90<br>40<br>80<br>80 | 17<br>26<br>110<br>1.00<br>21 |
| HARBOUR BRETON          | 47 29    | 55 | (c)<br>(c)       | B V<br>R V<br>B V<br>R V   | 0000   |               | 4<br>4<br>4   | N<br>N<br>N                           | 6 6 6                    | 723<br>720<br>720<br>720                | 146<br>146<br>146                        | 100<br>100<br>100<br>100<br>100                               | 63<br>62<br>63<br>67 | 2 P<br>208<br>208<br>208                                  | 50<br>50       | 125<br>125<br>125<br>125                        | 8.7<br>8.7<br>8.0                      | 100                           |
|                         |          |    |                  |                            |        |               |               |                                       |                          |   | 584                                      | 4(  |                      |   |                | 500   |  | 400                           |
| HARBOUR DEEP (A)        | 50 22    | 56 | 31               | 68                         | 0      | 0             | 4             | Y                                     | 4                        | 1800<br>1800                            | 75<br>75                                 | 5°  | 68                   | 208<br>208  |                | 75<br>75  | 8 J<br>8 O                             | 50                            |
| HERMITAGE               | 47 34    | 55 | 5.6              |                            |        |               |               |                                       |                          |   | 150                                      |   |                      |   |                | . 7 .   |  | : >                           |
|                         |          |    | (c)              | 66<br>66<br>66             | D<br>D | D<br>D        | 4 4           | N<br>N                                | 6 6                      | 1800<br>1800<br>1800                    | 100<br>100<br>100                        |   | 66<br>66             | 600<br>600  | C              | 75<br>75<br>75                                  | 80<br>80<br>80                         | 50                            |
| UCCESNO UNE COUC (A)    |          |    |                  |                            |        |               |               |                                       |                          |   | 300                                      | 18  |                      |   |                | 225   |  | 1 4                           |
| HOOPING HARBOUR (A)     | 50 37    | 56 | 16               | 68<br>68<br>68             | D<br>D | D<br>D        | 4 4           | N<br>N                                | 4 4                      | 1200<br>1200<br>1200                    | 55<br>55<br>75                           | 3 °<br>6 °  | 5 h<br>6 f           | 208<br>208<br>208   | 5              | 3 ^<br>7 9                                      | 81<br>80<br>80                         | 1.                            |
|                         |          |    |                  |                            |        |               |               |                                       |                          |   | 185                                      | 12  |                      |   |                | 135   |  |                               |
| JACKSONS ARM            | 49 52    | 56 | (c)              | 66<br>66<br>68             | D<br>D | D<br>D        | 4<br>4<br>4   | N<br>N                                | 4<br>4<br>6              | 1800<br>1800<br>1800                    | 66<br>66<br>75                           | 4 2 60  | 66<br>62             | 600<br>600<br>600   |                | 50<br>75  | 80<br>80<br>80                         | 9.<br>9.                      |
|                         |          |    |                  |                            |        |               |               |                                       |                          |   |  |   |                      |   |                |   |  |                               |

| INTERNAL CO             | OMBUSTIO | ٧                             | х                    |             |             |                  | PRIME P                               | MOVERS                |                                      |   |                             | x                          | MA                         | IN GE                | NERATI                      | ORS                  | x                           |
|-------------------------|----------|-------------------------------|----------------------|-------------|-------------|------------------|---------------------------------------|-----------------------|--------------------------------------|---|-----------------------------|----------------------------|----------------------------|----------------------|-----------------------------|----------------------|-----------------------------|
| COMPANY NAME PLANT NAME | CO ORD   | I NATES<br>LONG               |                      | TYPE        | FUEL        | CYCLE            |                                       | NO OF<br>CYLINDERS    | RPM                                  | нР  | KW                          | YEAR                       | VCLTS                      | FREQ                 | ΚVΔ                         | POWER<br>FACTOR      | KW                          |
| JACKSONS COVE (A)       | 49 41    | 56 00                         | 67<br>67             | D<br>D      | 0           | 4                | N<br>N                                | 6                     | 1800                                 | 75<br>75                                  | 60                          | 67<br>67                   | 600                        |                      | 75<br>75                    | 8 ()<br>8 O          | 60                          |
|                         |          |                               |                      |             |             |                  |                                       |                       |                                      | 150                                       | 12                          | )                          |                            |                      | 150                         |                      | 120                         |
| KINGS POINT             | 49 35    | 56 11<br>(D<br>(C<br>(C<br>(C | ) 65<br>) 65<br>) 66 | D<br>D<br>D | D D D D D D | 4<br>4<br>4<br>4 | N N N N N N N N N N N N N N N N N N N | 4<br>4<br>4<br>8<br>6 | 1800<br>1800<br>1800<br>1200<br>1800 | 75<br><u>54</u><br><u>54</u><br>175<br>75 | 56<br>40<br>40<br>100<br>60 | 65<br>65<br>65<br>66<br>68 | 600<br>600<br>600<br>600   | 60<br>60<br>60<br>60 | 50<br>50<br>50<br>125<br>75 | 80<br>80<br>80<br>80 | 40<br>40<br>40<br>100<br>60 |
|                         |          |                               |                      |             |             |                  |                                       |                       |                                      | 358                                       | 24                          | 0                          |                            |                      | 300                         |                      | 240                         |
| LA SCIE (D)             | 49 57    | 55 36                         | 62<br>62<br>62<br>67 | D<br>D<br>D | D<br>D<br>D | 4 4 4            | N<br>N<br>N                           | 6<br>6<br>6<br>6      | 1800<br>1800<br>1800<br>1800         | 115<br>115<br>115<br>115                  | 86<br>86<br>86<br>86        | 62<br>62<br>62<br>67       | 600<br>600<br>600          | 60<br>60<br>60       | 75<br>75<br>75<br>75        | 80<br>80<br>80       | 60<br>60<br>60              |
| LITTLE BAY ISLANDS      | 49 39    |                               | ) 65<br>) 65<br>) 67 | D<br>D      | 0 0         | 4<br>4<br>4      | N<br>N<br>N                           | 44 6                  | 1800<br>1800<br>1800                 | 49<br>49<br>75                            | 3 <u>0</u><br>3 <u>0</u>    | 65<br>65<br>67             | 480<br>480<br>480          | 60<br>60             | 38<br>38<br>75              | 80<br>80<br>80       | 30<br>30<br>60              |
|                         |          |                               |                      |             |             |                  |                                       |                       |                                      | 173                                       | 12                          | 0                          |                            |                      | 151                         |                      | 120                         |
| MAIN BROOK              | 51 11    |                               |                      | D<br>D      | D<br>D      | 4 4              | N<br>N<br>N                           | 4<br>4<br>6           | 1800<br>1800<br>1800                 | 66<br>66<br>75                            | 40<br>40<br>60              | 65<br>65<br>68             | 600<br>600                 | 60<br>60             | 50<br>50<br>75              | 80<br>80<br>80       | 40<br>40<br>60              |
|                         |          |                               |                      |             |             |                  |                                       |                       |                                      | 207                                       | 14                          | n                          |                            |                      | 175                         |                      | 140                         |
| MARYS HARBOUR           | F2 18    | ( C                           | ) 64<br>) 64<br>) 67 | D<br>D      | D<br>D      | 4<br>6<br>4      | N<br>N<br>N                           | 4<br>4                | 1800<br>1800<br>1800                 | 28<br>100<br>60                           | 20<br>60<br>40              | 64<br>64<br>67             | 600<br>600                 | 60<br>60<br>60       | 25<br>75<br>50              | 80<br>80<br>80       | 20<br>60<br>40              |
|                         |          |                               |                      |             |             |                  |                                       |                       |                                      | 188                                       | 12                          | 0                          |                            |                      | 150                         |                      | 120                         |
| MERASHEEN (D)           | 47 25    | 54 21                         | 65<br>65             | 0           | D<br>D      | 4                | N                                     | 4 2                   | 1800                                 | 75<br>24                                  | 56<br>18                    | 65<br>65                   | 600                        | 60<br>60             | 50<br>15                    | 8 O<br>8 O           | 40<br>12                    |
| MELLERTOWN              | 48 49    | 56 32<br>(C<br>(C             | 67                   | D<br>D      | 0 0         | 4 4              | N<br>N<br>N                           | 666                   | 1800<br>1800                         | 175<br>175<br>92                          | 100<br>100<br>65            | 66<br>66<br>67             | 600<br>600<br>600          | 60<br>60<br>60       | 125<br>125<br>63            | 80<br>80<br>80       | 100<br>100<br>50            |
|                         |          |                               |                      |             |             |                  |                                       |                       |                                      | 442                                       | 26                          | 5                          |                            |                      | 313                         |                      | 250                         |
| MINGS BIGHT (A)         | 50 00    | 56 00                         | 6 <b>8</b><br>6 8    | D<br>D      | D           | 4                | Y<br>Y                                | 4                     | 1800<br>1800                         | 75<br>75                                  | 60                          | 68<br>68                   | 600                        | 60<br>60             | 75<br>75                    | 80<br>80             | 60                          |
| MUD LAKE                | 53 18    | 60 10                         |                      |             |             |                  |                                       |                       |                                      | 150                                       | 120                         | )                          |                            |                      | 150                         |                      | 120                         |
|                         |          | ( C                           | ) 67                 | D           | D           | 4                | N                                     | 2                     | 1200<br>1200                         | 24<br>24                                  | $\frac{13}{13}$             | 67                         | 600                        | 60<br>60             | 15<br>15                    | 80<br>80             | 12<br>12                    |
| NIPPERS HARBOUR         | 49 47    |                               |                      |             |             |                  |                                       |                       |                                      |   |                             |                            |                            |                      |                             |                      |                             |
|                         |          | ( c                           | ) 66<br>) 66         | 0           | 0           | 4                | <u>¥</u>                              | 4                     | 1800                                 | 7 <u>5</u><br>7 <u>5</u>                  | 60<br>60                    | 66                         | 2 <u>08</u><br>2 <u>08</u> | 60                   | 75<br>75<br>150             | 8 O<br>8 O           | 60<br>60<br>120             |

| INTERNAL CO             | OMBUSTION  | X  |                       |  | PRIME M                               | OVERS            |   |   |  | x                                | M.E                      | AIN GE                           | NERATO  | 125                              | Y   |
|-------------------------|------------|--|-----------------------|--|---------------------------------------|------------------|---|---|--|----------------------------------|--------------------------|----------------------------------|---|----------------------------------|---|
| COMPANY NAME PLANT NAME | CO ORDINAT | √G   | TYPE FUEL             | CYCLE C                                  | SUPER<br>HARGED                       | NC OF            | RPM   | нр  | KW                                     | YFAR                             | VOLTS                    | FREO                             | kVΛ   | POWER<br>FACTOR                  | Кж  |
| NORTHWEST RIVER         | 53 32 60   |  |                       | 4 4                                      | N<br>N                                | 6 616            | 1200<br>1200<br>1200                          | 175<br>175<br>175                             | 100<br>100<br>100                      | 67<br>67<br>67                   | 208<br>208<br>208        | 60                               | 125<br>125<br>125                             | 80<br>80<br>80                   | 103   |
| PORT AUX CHOIX (A)      | 50 42 57   | 22 68  | D D                   | 4  | Y                                     | 8                | 1200  | 525<br>425                                    | 300<br>250                             | 68                               | 600                      | 60                               | 375   | A (1                             | 300<br>250                                    |
| PORT ELIZABETH          | 47 15 54   | 56<br>(C) 65<br>(C) 65   | D D                   | 4  | N                                     | 4                | 1800  | 425<br><u>66</u>                              | 250<br>40                              | 65                               | 600                      | 60                               | 312   | 80                               | 25N<br>40                                     |
|                         |            | (C) 65   | 0 0                   | 4  | N                                     | 4,               | 1800  | 132   | 4 <u>0</u><br>80                       | 65                               | 600                      | 60                               | 100   | 80                               | 40  |
| PORT SAUNDERS           |            | 18<br>(C) 65<br>(C) 65<br>(C) 67<br>(A) 67<br>(A) 67                     | 0 0 0 0 0 0 0 0 0 0 0 | 4<br>4<br>4<br>4                         | N<br>N<br>N<br>Y                      | 6<br>6<br>6      | 1800<br>1800<br>1800<br>1800                  | 66<br>66<br>100<br>75<br>75                   | 40<br>40<br>60<br>60                   | 65<br>65<br>67<br>67             | 600<br>600<br>600<br>600 | 60<br>60<br>60<br>60             | 50<br>50<br>75<br>75<br>75                    | 90<br>80<br>80<br>80             | 40<br>40<br>50<br>50                          |
|                         |            |  |                       |  |                                       |                  |   | 382   | 260                                    | )                                |                          |                                  | 325   |                                  | 240   |
| RAMEA                   |            | 25<br>(C) 67<br>(C) 67<br>(C) 67<br>(A) 68                               | D D D D D             | 4<br>4<br>4                              | N N N N N N N N N N N N N N N N N N N | 6 6 6 6          | 1200<br>1200<br>1200<br>720                   | 100<br>100<br>100<br>175                      | 60<br>60<br>60                         | 67<br>67<br>67<br>68             | 208<br>208<br>208<br>208 | 60<br>60<br>60                   | 75<br>75<br>75<br>125                         | 80<br>90<br>80<br>80             | 60<br>60<br>60                                |
|                         |            |  |                       |  |                                       |                  |   | 475   | 280                                    |                                  |                          |                                  | 350   |                                  | 28,   |
| RENCONTRE EAST (A)      | 47 37 55   | 68<br>68   | D D D                 | 4  | Y                                     | 4                | 1800<br>1800                                  | 75<br>75                                      | 60                                     | 68<br>68                         | 600<br>600               | 60<br>60                         | 75<br>75                                      | 80<br>80                         | 60<br>60                                      |
| RODDICKTON              | 50 52 56 ( | 0.8  |                       |  |                                       |                  |   | 150   | 120                                    |                                  |                          |                                  | 150   |                                  | 120   |
|                         |            | (C) 63<br>(C) 63<br>(C) 66<br>(C) 67                                     | D D D D D D D         | 4<br>4<br>4                              | N<br>N<br>N                           | 6<br>6<br>6      | 1800<br>1800<br>1800<br>1800                  | 100<br>100<br>100                             | 60<br>60<br>50<br>60                   | 63<br>63<br>66<br>67             |                          | 60<br>60<br>60                   | 75<br>75<br>75<br>75                          | 80<br>80<br>80<br>80             | 60<br>60<br>60                                |
|                         |            |  |                       |  |                                       |                  |   | 400   | 240                                    |                                  |                          |                                  | 300   |                                  | 240   |
| SOPS ARM                |            | 53<br>(C) 66<br>(C) 66<br>(A) 66   | D D D D D D D         | 4<br>4                                   | N<br>N<br>N                           | 6<br>6           | 1800<br>1800<br>1800                          | 100<br>100<br>100                             | 60                                     | 66<br>66<br>66                   | 600<br>600               | 60<br>60                         | 75<br>75<br>75                                | 80<br>80<br>80                   | 60<br>60                                      |
|                         |            |  |                       |  |                                       |                  |   | 300   | 180                                    |                                  |                          |                                  | 225   |                                  | 180   |
| SCUTH LABRADOR          | 4          | (C) 65<br>(C) 65<br>(C) 65   | 0 D<br>D D            | 4<br>4<br>4                              | N<br>N<br>N                           | 6<br>6           | 720<br>720<br>720                             | 146<br>146<br>146                             | 100<br>100<br>100                      | 65<br>65<br>65                   |                          | 60<br>60                         | 125<br>125<br>125                             | 80<br>80<br>80                   | 100<br>100<br>100                             |
|                         |            |  |                       |  |                                       |                  | 4   | 438   | 300                                    |                                  |                          |                                  | 375   |                                  | 300   |
| ST ANTHONY              | (          | 35<br>(C) 65<br>(C) 65<br>(C) 65<br>(C) 65<br>(C) 65<br>(C) 67<br>(A) 68 | D D D D D D D D D     | 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4 | N<br>N<br>N<br>N<br>N<br>Y<br>Y       | 6<br>6<br>6<br>6 | 720<br>720<br>720<br>720<br>720<br>720<br>720 | 146<br>146<br>146<br>146<br>146<br>370<br>670 | 100<br>100<br>100<br>100<br>100<br>500 | 65<br>65<br>65<br>65<br>67<br>68 | 208<br>208<br>2400       | 60<br>60<br>60<br>60<br>60<br>60 | 125<br>125<br>125<br>125<br>125<br>625<br>625 | 80<br>80<br>80<br>80<br>80<br>80 | 100<br>100<br>130<br>100<br>100<br>100<br>500 |
|                         |            |  |                       |  |                                       |                  | 2,0   | 170   | 1,500                                  |                                  |                          | 1                                | ,875  |                                  | 1,500   |

| INTERNAL                | . COMBUSTION    |                   | Х                          |         |                  |                       | PRIME N                               | OVERS                 |                                      |                                   |                                  | x                          | MA                                     | IN GE                | NERATO                          | IR S                       | Х                                      |
|-------------------------|-----------------|-------------------|----------------------------|---------|------------------|-----------------------|---------------------------------------|-----------------------|--------------------------------------|-----------------------------------|----------------------------------|----------------------------|--|----------------------|---------------------------------|----------------------------|--|
| COMPANY NAME PLANT NAME | CO ORDIT        | LONG              | YE AR                      | TYPE    | FUEL             |                       | SUPER<br>CHARGED                      | NC OF<br>CYLINDERS    | RPY                                  | нР                                | KW                               | YEAR                       | VOLTS                                  | FREQ                 | ΚVA                             | POWER<br>FACTOR            | KW                                     |
| ST BRENDANS             | 48 52           | (c)               | 65<br>65<br>65             | D<br>D  | D<br>D           | 4 4 4                 | N                                     | 4 4 6                 | 1800<br>1900<br>1800                 | 66<br>65<br>100                   | 400                              | 65<br>65<br>65             | 600<br>600                             | 60                   | 50<br>50<br>75                  | 80<br>80<br>80             | 40<br>40<br>50                         |
|                         |                 |                   |                            |         |                  |                       |                                       |                       |                                      | 232                               | 14                               | 0                          |  |                      | 175                             |                            | 140                                    |
| ST LUNAIRE              | 51 30 5         | (D)               | 67<br>61<br>68             | 0       | 0                | 4 4                   | N<br>N<br>N                           | 4<br>4<br>6           | 1800<br>1800<br>1800                 | 75<br><u>66</u><br>100            | 56<br>40<br>60                   | 67<br>67<br>68             | 600<br>600                             | 50                   | 50<br>50<br>75                  | 80<br>80<br>80             | 40<br>40<br>60                         |
|                         |                 |                   |                            |         |                  |                       |                                       |                       |                                      | 166                               | 10                               | 0                          |  |                      | 125                             |                            | 100                                    |
| TERRA MOVA              | 48 23 5         |                   | 67<br>68<br>67             | D<br>D  | 0 0              | 4 4 4                 | N<br>Y<br>N                           | 4<br>4<br>6           | 1800<br>1800<br>1800                 | 54<br>75<br>75                    | 40<br>60<br>56                   | 67<br>68<br>67             | 600<br>600                             | 60<br>60<br>60       | 50<br>75<br>50                  | 80<br>80<br>80             | 40<br>60<br>40                         |
|                         |                 |                   |                            |         |                  |                       |                                       |                       |                                      | 129                               | 10                               | 0                          |  |                      | 125                             |                            | 100                                    |
| TERRENCEVILLE           | 47 42 5         | (D)               | 65<br>65<br>68<br>67<br>67 | D D D D | 0<br>0<br>0<br>0 | 4<br>4<br>4<br>4<br>4 | N N N N N N N N N N N N N N N N N N N | 6<br>6<br>4<br>4<br>6 | 1800<br>1800<br>1800<br>1800<br>1200 | 75<br>75<br>43<br>75<br>115       | 57<br>57<br>30<br>60<br>60<br>60 | 65<br>65<br>68<br>68<br>67 | 600<br>600<br>208<br>208<br>208<br>208 | 60<br>60<br>60<br>60 | 75<br>75<br>38<br>75<br>75      | 80<br>80<br>80<br>80<br>80 | 60<br>30<br>60<br>60                   |
|                         |                 |                   |                            |         |                  |                       |                                       |                       |                                      | 348                               | 21                               | 0                          |  |                      | 263                             |                            | 210                                    |
| TRITON (D)              | 49 32 5         | 55 37             | 66<br>66                   | D<br>D  | D<br>D           | 4<br>4<br>4           | 2 2 2                                 | 6                     | 1800<br>1800<br>1800                 | 55<br>55<br>75                    | 41<br>41<br>56                   | 66<br>66                   | 600<br>600<br>600                      | 60<br>60<br>60       | 50<br>50<br>75                  | 80<br>80<br>80             | 40<br>40<br>60                         |
| TWILLINGATE (D)         | 49 39 5         | 54 46             | 63<br>63<br>63             | 0 0     | 0 0              | 4<br>4<br>4           | N<br>N<br>N                           | 6<br>6<br>8<br>6      | 550<br>550<br>800<br>720             | 310<br>310<br>175<br>175          | 230<br>230<br>130<br>130         | 63<br>63<br>63             | 2400<br>2400<br>208<br>208             | 60                   | 250<br>250<br>125<br>125        | 80<br>80<br>80<br>80       | 200<br>200<br>100<br>100               |
| WOODY ISLAND            | 47 46 5         | (C)               | 65                         | 1,      | (t               | ۷,                    | ν,                                    | 4                     | 1800                                 | <u> 46</u>                        | 40                               | 65                         | 600                                    | 60                   | 51)                             | 80                         | 40                                     |
|                         |                 | (C)               | 65                         | 1"      | L.               | 4                     | N                                     | 4                     | 1800                                 | <u>66</u>                         | <u>+0</u>                        | 65                         | 600                                    | 60                   | 50                              | 80                         | 40                                     |
|                         | NEW BRUNSI      | VICK              |                            |         |                  |                       |                                       |                       |                                      | 132                               | 01                               |                            |  |                      | 100                             |                            | 80                                     |
| NB ELECTRIC POWER COMM  |                 |                   |                            |         |                  |                       |                                       |                       |                                      |                                   |                                  |                            |  |                      |                                 |                            |  |
| GRAND MANAN             | 44 4 <u>1</u> 6 | (c)<br>(c)<br>(c) | 57<br>63                   | D<br>D  | r<br><br><br>0   | 2 2 4 4               | N<br>N<br>Y<br>Y                      | 4<br>5<br>8<br>6      | 300<br>300<br>720<br>720<br>720      | 300<br>375<br>1008<br>756<br>1008 | 200<br>250<br>700<br>503<br>712  | 47<br>57<br>63<br>65<br>66 | 600<br>2400<br>2400<br>2400<br>2400    | 50<br>60<br>60<br>60 | 250<br>312<br>875<br>629<br>890 | 80<br>80<br>80<br>80       | 200<br>250<br>700<br>503<br><u>712</u> |

3,447 2,365 2,956 2,365

| INTERNAL                   | . COMBUSTION  | Х                      |             |        |                                  | PRIME N        | 40 VERS            |                      |                      |            | х              | M.                   | AIN GE   | NERATI               | ORS               | X                    |
|----------------------------|---------------|------------------------|-------------|--------|----------------------------------|----------------|--------------------|----------------------|----------------------|------------|----------------|----------------------|----------|----------------------|-------------------|----------------------|
| COMPANY NAME<br>PLANT NAME | CO ORDINATES  |                        | TVDE        | EILEI  | EVELE                            | SUPER          | NO OF<br>CYLINDERS | 2011                 |                      |            |                |                      |          |                      | POWER             |                      |
|                            | QUEBEC        | TC 4K                  | 1176        | FUEL   | CYCLE                            | LHAKGED        | CYLINDERS          | RPM                  | 14P                  | KW         | YEAR           | VOLTS                | FREQ     | KVA                  | FACTUR            | KW                   |
| COMMISSION HYDROFLECTR     | QUE DE QUEBEC |                        |             |        |                                  |                |                    |                      |                      |            |                |                      |          |                      |                   |                      |
|                            |               |                        |             |        |                                  |                |                    |                      |                      |            |                |                      |          |                      |                   |                      |
| CAP AUX MEULES             | 47 23 61 52   | 63                     | D<br>D      | D<br>D | 4                                |                | 12<br>12           | 900                  | 1520                 |            | 63             | 2400                 |          | 1330                 | 80                | 1065                 |
|                            |               |                        | D<br>D      | D      | 2 2 2                            |                | 16<br>16<br>16     | 720<br><b>72</b> 0   | 1420<br>1420<br>1420 |            | 64<br>65       | 2300<br>2300<br>2300 | 60       | 1250<br>1250<br>1250 | 8 0<br>8 0<br>8 0 | 1000<br>1000<br>1000 |
|                            | ( ^           | F 6 4 1                |             | L      |                                  |                |                    |                      | 3200<br>3200         |            | 68<br>68       | 4160<br>4160         |          | 2840<br>2840         | 80                | 2200                 |
| HARRINGTON HARBOUR         | 50 30 59 30   |                        |             |        |                                  |                |                    | 13,                  | 900                  |            |                |                      | 1        | 2,260                |                   | 9,065                |
|                            | ۵)            |                        | r<br>D      |        | 4                                |                | 6<br>6             | 920<br>920<br>1200   | 130<br>130<br>190    |            | 65<br>65<br>68 | 2400<br>2400<br>600  | 60       | 95<br>95<br>144      | 80<br>80<br>80    | 75<br>75<br>125      |
|                            |               |                        |             |        |                                  |                |                    |                      | 450                  |            |                |                      |          | 334                  | 00                | 275                  |
| ILE D ENTREE               | 47 1° 61 47   | 5 '                    | £ ,         |        | Δ <sub>0</sub><br>Δ <sub>4</sub> |                | 5                  | 921                  | 110                  |            | 60<br>60       | 2400                 |          | 92<br>92             | 80                | 74<br>74             |
|                            |               | , 4                    |             | £1     |                                  |                |                    | 927                  | 110                  |            | 68             | 2400                 |          | 93                   | 80                | 74                   |
| JOHAN BEETZ                | 50 17 62 5A   |                        |             | 0      | 2                                |                |                    |                      |                      |            |                | 0.0                  |          |                      |                   |                      |
|                            |               | 57                     | 0<br>5<br>0 | 0      | 2<br>2<br>4                      |                | 3<br>3<br>8        | 1800<br>1800<br>1800 | 60<br>60<br>227      | 170        | 62<br>67       | 240<br>240<br>4160   | 60<br>60 | 60                   | 80<br>80<br>80    | 50<br>50<br>155      |
|                            |               |                        |             |        |                                  |                | 6                  | 1800                 | 150                  |            | 6 P            | 600                  | 60       | 257                  | 8.0               | 355                  |
| LA BALEINE                 | 47 24 70 21   | , h                    | D           | t"     | ĉ                                | 5.             | Я                  | 60.)                 | 315                  |            | 52             | 4160                 |          | 312                  | 80                | 250                  |
|                            |               | ) 52<br>) 52           | 0 0         | L<br>L | 2 2                              | ν1<br>ν1<br>ν4 | ਰ<br>ਸ<br>8        | 500<br>500<br>600    | 335<br>335<br>335    |            | 52<br>52<br>52 | 4160<br>4160<br>4160 | 60       | 312<br>312<br>312    | 80<br>80<br>90    | 250<br>250<br>250    |
|                            |               |                        |             |        |                                  |                |                    | 1,                   | 34()                 |            |                |                      |          | 1,24%                |                   | 1,000                |
| LA ROMAINE                 |               | 1.1                    | ,<br>(1     |        | 2 2                              | Y<br>Y         | 4<br>4             | 1800<br>1800         | 100                  | 75<br>75   | 67<br>67       | 600<br>600           | 60       | 75<br>75             | 80<br>80          | 60<br>50             |
|                            | 4 )           | ે હલ                   |             | Ð      |                                  |                | 6                  | 1200                 | 90                   |            | 68             | 600                  | 60       | 75<br>225            | 80                | 60                   |
| LA TABATIERE               | 50 50 58 %    |                        | 17          | L.     |                                  |                | 6                  | 1800                 | 150                  |            | 66             | 2400                 | 60       | 145                  | 80                | 115                  |
|                            | · .           | 17                     | 1           |        |                                  |                | 5                  | 1200                 | 240                  |            | 67<br>67<br>68 | 600<br>600<br>2400   | 60       | 250<br>315<br>217    | 80<br>80<br>80    | 200<br>250<br>150    |
|                            |               | <i>t</i> · ·           |             | t      |                                  |                | R                  | 1200                 | 380<br>770           |            | 68             | 2400                 | 60       | 312<br>676           | 80                | 250                  |
| MONT LAURIER (D)           | 4. 33 75 .    |                        | D           | l      | 2                                |                | 8                  | 1200                 | 565                  | 350        | 61             | 2400                 | 60       | 438                  | 80                | 350                  |
|                            |               |                        | 0           | 0      | 2                                |                |                    | 1200                 | 565<br>900           | 350<br>600 | 61             | 2400<br>2400         | 60       | 4 3 3<br>7 5 0       | 80<br>80          | 350<br>600           |
| NATASHQUAN                 | 50 11 61 49   |                        |             |        |                                  |                |                    |                      |                      |            |                |                      |          |                      |                   |                      |
|                            | (D<br>(D      | ) n;<br>) 6.7<br>) ~ 7 | 0           | D      | 2                                |                | 6                  | 1200<br>1800<br>1200 | 350<br>200<br>360    | 150<br>270 | 66<br>67<br>67 | 4160<br>4160<br>4160 | 60       | 250<br>156<br>312    | 8 0<br>8 0<br>8 0 | 200<br>125<br>250    |
|                            | ( A           | ) ~ 4                  |             |        |                                  |                | 12                 | 600                  | 612                  |            | 68             | 2400                 |          | 500                  | 80                | 400                  |

| INTERNAL C                                   | OMBUSTIO | N     | Х          |          |              |  | PRIME            | 40 VERS            |                      |                   |                   | Х              | pe )                | ALK GE   | NERATI            | DRS               | ×                 |
|--|----------|-------|------------|----------|--------------|--|------------------|--------------------|----------------------|-------------------|-------------------|----------------|---------------------|----------|-------------------|-------------------|-------------------|
| COMPANY NAME PLANT NAME NATASHQUAN (CONCL'D) | CO ORD   |       |            | TYPE     | FUEL         | CYCLE  | SUPER<br>CHARGED | MO DE<br>CYLINDERS | RPM                  | нр                | KW                | YFAR           | VCLTS               | FREQ     | KV A              | POWER<br>FACTOR   | Kn                |
|  |          | ( A   | ) 68       |          |              |  |                  | 6                  | 1200                 |                   |                   | 68<br>68       | 2400                | 60       | 438               | 8 O<br>8 O        | 350<br>250        |
|  |          |       |            |          |              |  |                  |                    | 1                    | . 462             |                   |                |                     |          | 1,250             |                   | 1.000             |
| PARENT                                       | 47 55    |       | 64         | ٢        | ()           | 4  |                  | 7                  | 600                  | 560               |                   | 64             | 2300                | 60       | 438               | 80                | 350               |
|  |          | (4    | ) 67       |          | 0            |  |                  |                    | 1200                 | 450<br>550        |                   | 67<br>68<br>68 | 2400                | 60       | 375<br>375<br>438 | 8 0<br>8 0<br>8 0 | 300<br>300<br>350 |
|  |          |       |            |          |              |  |                  |                    |                      | 560               |                   | 00             | 2400                | .,0      | 1,251             | 60                | 1,000             |
| TETE A LA BALEINE (A)                        | 50 42    | 59 19 | 68         |          | D            |  |                  | 3                  | 1800                 | 60                |                   | 66             | 240                 | 60       | 60                | 8.0               | 50                |
|  |          |       | 68         |          | D            |  |                  | 3                  | 1800                 | 60                |                   | 68             | 240                 | 60       | 60                | 80                | 50                |
| VAL BARETTE (D)                              | 46 30    | 75 22 |            |          |              |  |                  |                    |                      | 120               |                   |                |                     |          | 120               |                   | 100               |
|  |          |       | 63         | D        | D<br>()      | 4  | Y                | 6                  | 1200<br>1200         | 253<br>190        | 160<br>125        | 63<br>64       | 5 O<br>5 O          | 60<br>60 | 220<br>156        | 8 O<br>8 O        | 175<br>125        |
|  |          |       |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
| CONTAGAS MINES LTD                           |          |       |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
| DESMARAISVILLE (D)                           |          |       |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
|  |          |       | 60<br>60   | 1<br>D   | D<br>D       | 4 4  | Y<br>Y<br>Y      | 6<br>6             | 1800<br>1800<br>1800 | 236<br>236<br>236 | 136<br>136<br>136 | 50<br>60       | 550<br>550          | 60       | 170<br>170        | 80<br>80          | 136<br>136        |
|  |          |       | 61         | 0        | D            | 4,<br>4,   | Y                | 6                  | 1800                 | 236               | 136               | 61<br>61       | 550<br>550          | 60<br>60 | 170<br>170<br>170 | 80<br>80<br>80    | 136<br>136<br>136 |
|  |          |       | 61         | f,<br>() | D<br>D       | 4 4  | Y<br>Y<br>Y      | 6                  | 1800<br>1800<br>1800 | 236<br>236<br>236 | 136<br>136<br>136 | 61<br>61<br>62 | 550<br>550<br>550   | 60<br>60 | 170<br>170<br>170 | 80<br>80<br>80    | 136<br>136        |
|  |          |       | 62         | D<br>D   | 0            | 4  | Y                | 6                  | 1800                 | 236               | 136               | 62             | 550<br>550          | 60       | 170               | 80<br>80          | 136<br>136<br>136 |
|  |          |       | 62<br>63   |          | D<br>D       | 4 4  | Y<br>Y<br>Y      | 6                  | 1800<br>1800<br>1800 | 236<br>236<br>263 | 136<br>136<br>152 | 63<br>63       | 550<br>550          | 60<br>60 | 170<br>170        | 80<br>80          | 136               |
|  |          |       | 64         |          | D            | 4  | Ý                | 6                  | 1800                 | 236               | 136               | 64             | 550                 | 50       | 170               | 80                | 152<br>136        |
| CONSOLIDATED-BATHURST LIN                    |          |       |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
| PORT MENIER                                  | 49 49    | 64 20 |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
|  |          |       | 46<br>46   | D        | r,<br>0<br>0 | 4 4  | Y                | 6                  | 1200<br>1200         | 150<br>150        | 68<br>68          | 46<br>46       | 2300<br>2300        | 60       | 85<br>85          | 80<br>80          | 68<br>68          |
|  |          |       | 5 2<br>6 1 | D        | D<br>0       | ξ <sub>0</sub><br>ξ <sub>0</sub><br>ξ <sub>0</sub> | Y<br>Y<br>N      | 6                  | 1200<br>1200<br>1200 | 150<br>150<br>190 | 68<br>68          | 46<br>52<br>61 | 2300<br>2300<br>600 | 60<br>60 | 85<br>85<br>125   | 80<br>80          | 68<br>68<br>100   |
|  |          | ( A ) | 6.8        | D        | D            | 4  | N                | 6                  | 1250                 | 200               | 150               | 68             | 600                 | 60       | 125               | 80                | 100               |
| HART-JAUNE POWER CO                          |          |       |            |          |              |  |                  |                    |                      | 990               | 522               | ,              |                     |          | 590               |                   | 412               |
| LAC JEANNINE (D)                             |          |       |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
|  |          |       | 60         |          | ບ<br>ວ       | 2  | Y                | 16<br>16           |                      | 1440              | 1000              | 60<br>60       | 4160<br>4160        | 60<br>60 | 1250<br>1250      | 80<br>80          | 1000              |
| PORT AND TERMINAL (D)                        |          |       |            |          |              |  |                  |                    |                      |                   |                   |                |                     |          |                   |                   |                   |
| TON AND TERRINAL (U)                         |          |       | 60         |          | 0            | 2  | Y                | 16<br>16           | 720<br>720           | 1440              | 1000              | 6C<br>60       | 4160<br>4160        | 60       | 1250<br>1250      | 80                | 1000              |
|  |          |       |            |          |              |  |                  |                    | 1.20                 | 2 7 7 0           | 2000              | 00             | 4100                | 00       | 1700              | 80                | 1000              |

| INTERNAL C   | OMPUSTION      | 4                         | Х  |   |   |  | PRIME !                                 | MOVERS                             |  |  |  | x  | м  | AIN G  | ENERATI  | OR S   | х   |
|--|----------------|---------------------------|--|---|---|--|---|------------------------------------|--|--|--|--|--|--|--|--|---|
| COMPANY NAME<br>PLANT NAME   | CO ORDI<br>LAT |                           |  | R TYPE                                  | FUEL                                    | CYCLE  | SUPER<br>CHARGED                        | NO OF<br>CYLINDERS                 | u o v  | но   | KW   | VEAU   | VCLTS  | 5050   | W I I A  | POWER<br>FACTOR                                    |   |
|  | ONTARIO        |                           |  |   |   |  |   |                                    |  |  | 10.19  | 1 ( 24 )                                     | V( L 1 3   | FREW   | VAW  | PAUTTIK  | Nn.   |
| NORTHERN CANADA PUNER COM  | MESSION        |                           |  |   |   |  |   |                                    |  |  |  |  |  |  |  |  |   |
| MOOSE FACTORY  | 51 16          |                           |  | n<br>:<br>.)                            | n<br>n                                  | ζ <sub>5</sub><br>ζ <sub>0</sub><br>ζ <sub>0</sub> | N<br>N                                  | e<br>e<br>6                        | 1200<br>1200<br>1200   | 540<br>310<br>147  | 350<br>200<br>100  |  | 600<br>600<br>550  | 60<br>60                                     | 438<br>250<br>125  | 80<br>80<br>80                                     | 350<br>200<br>100   |
|  |                | ( )                       | ) 68<br>) 68                                     | ()                                      | 0                                       | 4<br>4<br>4  | Y<br>Y<br>Y                             | 6                                  | 600<br>600<br>600  | 480<br>396<br>396  |  | 68<br>68                                     | 4160<br>4160<br>4160   | 60<br>60                                     | 312<br>250<br>250  | 8 O<br>8 O   | 250<br>200<br>200   |
|  | ABOTIZAN       |                           |  |   |   |  |   |                                    | 2,   | 269  |  |  |  |  | 1,625  |  | 1,300   |
| CANADIAN NATIONAL RAILWAY  |                |                           |  |   |   |  |   |                                    |  |  |  |  |  |  |  |  |   |
| CAMPULAN NATIONAL RAILWAY  | (,             |                           |  |   |   |  |   |                                    |  |  |  |  |  |  |  |  |   |
| GILLAM (D)   | 56 21          | 94 4                      | 5 7  | n                                       | D                                       | 4  | Ν                                       | 4                                  | 1200   | 119  | 75   | 57   | 2400   | 60   | 94   | 8 ()   | 75  |
| MAN1TOBA HYDRC   |                |                           |  |   |   |  |   |                                    |  |  |  |  |  |  |  |  |   |
| FORT CHURCHILL (C) (THIS PLANT ACQUIRED FROM FEDERAL GOVERNMENT D.P.W. | THE            | )<br>0)<br>0)<br>0)<br>0) | 49<br>49<br>49<br>49<br>49<br>9<br>49<br>1<br>53 | 000000000000000000000000000000000000000 |   | 2            | 5 2 2 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 6<br>6<br>6<br>6<br>10<br>10<br>10 | 300<br>300<br>300<br>300<br>300<br>300<br>300<br>720<br>720<br>720<br>720<br>900 | 450<br>450<br>300<br>300<br>450<br>450<br>1600<br>1600<br>1600 | 300<br>300<br>200<br>200<br>200<br>300<br>3140<br>1140<br>1140<br>2500 | 49<br>49<br>49<br>49<br>49<br>53<br>59<br>63 | 2400<br>2400<br>2400<br>2400<br>2400<br>2400<br>2400<br>4160<br>4160<br>4160 | 60<br>60<br>60<br>60<br>60<br>60<br>60<br>60 | 375<br>375<br>250<br>250<br>250<br>375<br>375<br>375<br>1420<br>1420<br>3150 | 80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80 | 300<br>300<br>200<br>200<br>200<br>300<br>300<br>300<br>1140<br>1140<br>700 |
|  |                |                           |  |   |   |  |   |                                    | 10,  | 850  | 7,72   | 0  |  |  | 9,660  |  | 7,720   |
| GARDEN HILL (A)  | 53 50          | 94 40                     | 67<br>67   | 0                                       | L<br>0                                  | ?  | Y                                       | r,<br>6                            | 1200   | 243<br>243   | 150<br>150   | 67<br>67                                     | 240<br>240   |  | 187<br>187   | 8 U<br>8 O   | 150<br>150  |
|  |                |                           |  |   |   |  |   |                                    |  | 486  | 30   | n  |  |  | 374  |  | \$60  |
| THE PAS  | 53 50 1        |                           | 48<br>54<br>58<br>59<br>51<br>61<br>62           | 0 0 0 0                                 | 0 | 4<br>2<br>2<br>4<br>2<br>2<br>2<br>2               | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   | 6<br>16<br>10<br>12<br>16<br>16    | 360<br>720<br>720<br>720<br>720<br>720<br>720<br>720                             | 582<br>1440<br>1440<br>1092<br>1440<br>1440<br>1570            | 400<br>1000<br>1000<br>750<br>1000<br>1000                             | 48<br>54<br>58<br>59<br>61<br>61             | 2300<br>2400<br>2400<br>2400<br>2400<br>2400<br>2400                         | 60<br>60<br>60<br>60<br>60<br>60             | 500<br>1250<br>1250<br>964<br>1250<br>1250<br>1375                           | 80<br>80<br>80<br>80<br>80<br>80                   | 400<br>1000<br>1000<br>750<br>1000<br>1000<br>1100                          |
|  |                |                           |  |   |   |  |   |                                    | 7,   | 564  | 5,25   | n  |  |  | 6,589  |  | 5+250   |
|  | SASKATCHE      | MAN                       |  |   |   |  |   |                                    |  |  |  |  |  |  |  |  |   |
| CUMBERLAND HOUSE POWER CO-   | - UP           |                           |  |   |   |  |   |                                    |  |  |  |  |  |  |  |  |   |
| CUMBERLAND HOUSE (D)   | 53 58 1        | 02 16                     | 64<br>64   | 8<br>(*<br>(                            | D                                       | 4<br>4<br>4  | Y Y                                     |                                    | 1200   | 85<br>50<br>125  | 3.5  |  | 2400<br>2400<br>2300   | 60   |  | 90<br>85<br>80                                     | 50<br>85<br>75  |

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|--|---|---|---|
|  |   |   |   |

| INTERNAL (  | COMPUSTION              | Х   |  |   |                                       |                                  | PRIME                                 | MOVERS   |   |  |  | х  | pa ,   | AIN GE   | NERAT  | DRS  | Х  |
|---|-------------------------|---|--|---|---------------------------------------|----------------------------------|---------------------------------------|--|---|--|--|--|--|--|--|--|--|
| COMPANY NAME<br>PLANT NAME  | CO ORDINATE<br>LAT LONG |   | E AR   | TYPE                                    | FUEL                                  | CYCLE                            | SUPER                                 | NO OF<br>CYLINDERS                                 | RPM   | нР   | KW   | YFAR   | VOLTS  | FREQ   | KVA  | POWER<br>FACTOR                                    | Кы   |
| SASKATCHEWAN POWER CORP   |                         |   |  |   |                                       |                                  |                                       |  |   |  |  |  |  |  |  |  |  |
| LA RONGE  | (                       | D) (  | 53<br>54<br>55<br>58<br>59<br>68             | 000000                                  | 0000000                               | 4 4 2 4 4                        | N N N N N N N N N N N N N N N N N N N | 2<br>5<br>8<br>16<br>8<br>6                        | 300<br>900<br>900<br>720<br>600<br>400  | 80<br>87<br>153<br>1440<br>160<br>505<br>535                                 | 50<br>50<br>100<br>1000<br>100<br>350<br>400                                 | 53<br>54<br>55<br>58<br>59<br>60<br>68             | 2300<br>2300<br>2300<br>2400<br>2400<br>2300<br>4000         | 60<br>60<br>60                                     | 63<br>125<br>1250<br>125<br>438<br>500                                       | 80<br>80<br>80<br>80<br>80<br>80                   | 50<br>50<br>100<br>100<br>100<br>350<br>400                                  |
|   |                         |   |  |   |                                       |                                  |                                       |  | 2,  | 793  | 1,95   | 0  |  |  | 2,438  |  | 1,950  |
|   | ALBERTA                 |   |  |   |                                       |                                  |                                       |  |   |  |  |  |  |  |  |  |  |
| CANADIAN UTILITIES LTD  |                         |   |  |   |                                       |                                  |                                       |  |   |  |  |  |  |  |  |  |  |
| FORT CHIPEWYAN  | į (                     | D) (  | 5 2<br>6 1<br>6 3<br>6 5<br>6 7<br>6 8       | 00000                                   | 000000                                | 4<br>4<br>4<br>4<br>4            | , A<br>N<br>N<br>N                    | 6<br>6<br>6<br>12                                  | 1200<br>1200<br>1200<br>900<br>1800<br>1200                                   | 100<br>100<br>200<br>138<br>402<br>470                                       | 75<br>75<br>150<br>75<br>300<br>350  | 59<br>61<br>63<br>65<br>67<br>68                   | 2300<br>2300<br>2400<br>2400<br>480<br>2400                  | 60<br>60<br>60<br>60<br>60                         | 93<br>13<br>188<br>100<br>375<br>438   | 80<br>80<br>80<br>75<br>80<br>80                   | 75<br>75<br>150<br>75<br>300<br>350  |
|   |                         |   |  |   |                                       |                                  |                                       |  |   | 870  | 65   | 0  |  |  | 812  |  | 650  |
| FORT MC MURRAY  | (                       | D) (D) (D) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A | 57<br>664<br>666<br>666<br>666<br>668<br>668 | 0 | D D D D D D D D D D D D D D D D D D D | 64 64 64 64 64 64 64 64 64 64 64 | Y Y Y N Y Y Y Y Y Y Y Y               | 8<br>8<br>12<br>3<br>12<br>8<br>8<br>16<br>12<br>6 | 1200<br>700<br>1200<br>300<br>1200<br>327<br>327<br>327<br>1200<br>450<br>700 | 325<br>900<br>470<br>225<br>670<br>1715<br>1715<br>3700<br>711<br>940<br>900 | 225<br>500<br>350<br>150<br>500<br>1200<br>1200<br>2500<br>500<br>650<br>500 | 57<br>64<br>64<br>66<br>66<br>66<br>68<br>67<br>68 | 2400<br>2300<br>2400<br>2400<br>2400<br>2400<br>2400<br>2400 | 60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60 | 280<br>625<br>438<br>185<br>625<br>1500<br>1500<br>3125<br>625<br>813<br>625 | 80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80 | 225<br>500<br>350<br>150<br>500<br>1200<br>1200<br>2500<br>500<br>650<br>500 |
|   |                         |   |  |   |                                       |                                  |                                       |  | 11,   | 251  | 7,55   | 0  |  |  | 9,439  |  | 7,550  |
| GRANDE PRAIRTE (D)  | 55 10 118 4             | 4   | 4 8<br>5 0<br>5 5                            | D<br>S                                  | D<br>D<br>G                           | 4,<br>4,<br>4,                   | Y<br>Y<br>Y                           | 6<br>8<br>16                                       | 400<br>360<br>327   | 840<br>1050<br>3700  | 600<br>800<br>2500   | 4.8<br>5.0<br>5.5                                  | 2300<br>2300<br>2400   | 60   | 750<br>1000<br>3125  | 80<br>80<br>80                                     | 600<br>800<br>2500   |
| MCINTYRE (A)  | 53 56 118 3             |   | 68<br>68<br>68                               | D<br>D                                  | D<br>D<br>D                           | 2<br>4<br>4                      | Y<br>N                                | 4<br>6<br>6  | 720<br>900<br>900   | 960<br>109<br>109  | 650<br>75<br>75  | 68<br>68<br>68                                     | 2400<br>2400<br>2400   | 60   | 843<br>100<br>93   | 80<br>75<br>80                                     | 650<br>75<br>75  |
|   |                         |   |  |   |                                       |                                  |                                       |  | 1,  | 178  | 80   | 0  |  |  | 1,036  |  | 800  |
| SMOKY RIVER (C)<br>(THIS PLANT ACQUIRED FROM<br>CALGARY POWER LTD.) | 1                       | 6   | 66<br>66<br>66                               | D<br>D                                  | D<br>D                                | 4<br>4<br>2                      | 2 2 2                                 | 5 6 6  | 900<br>900<br>720   | 100<br>100<br>960  | 75<br>75<br>716  | 66<br>66   | 208<br>2400<br>2400  |  | 100<br>100<br>843  |  | 75<br>75<br>675  |
|   |                         |   |  |   |                                       |                                  |                                       |  | 1   | 1 / 0  | 0.7  | ,  |  |  | 1 0/2  |  | 0.25   |

1,160 866 1,043 825

| INTERNAL                | COMBUSTION   | х              |      |             |                | PRIME I     | MOVERS         |                      |                    |                    | x              | м                    | AIN GE   | NERATI             | nes             | x                  |
|-------------------------|--------------|----------------|------|-------------|----------------|-------------|----------------|----------------------|--------------------|--------------------|----------------|----------------------|----------|--------------------|-----------------|--------------------|
| COMPANY NAME PLANT NAME | CO ORDINATES |                |      |             |                | SUPER       | NO OF          |                      |                    |                    |                |                      |          |                    |                 | . ^                |
| IMPERIAL DIL LTD        |              | YE AR          | TYPE | FUEL        | CYCLE          | CHARGED     | CYLINDERS      | RPM                  | ΗP                 | KW                 | YEAR           | VELTS                | FREQ     | KV A               | POWER<br>FACTOR | Kw                 |
| THE CITY OF THE         |              |                |      |             |                |             |                |                      |                    |                    |                |                      |          |                    |                 |                    |
| REDWATER PLANT (A)      | 53 57 113 10 | 5.8            | S    |             |                |             |                |                      |                    |                    |                |                      |          |                    |                 |                    |
|                         |              | 58             | 5    | G           | 4              | 2 2         | 8              | 650<br>650           | 285<br>285         | 200                | 58<br>58       |                      | 60<br>60 | 250<br>250         | 8 O             | 200<br>200         |
| NORTHLAND UTILITIES LTD |              |                |      |             |                |             |                |                      | 570                | 40                 | 0              |                      |          | 500                |                 | 400                |
| NORTHEAD OTTETTTES ETC. |              |                |      |             |                |             |                |                      |                    |                    |                |                      |          |                    |                 |                    |
| ATIKAMEG                | 55 56 115 39 |                |      |             |                |             |                |                      |                    |                    |                |                      |          |                    |                 |                    |
|                         | (D)          | 63 64 68       | D    | D<br>D      | 4              | N<br>Y      | 6              | 900<br>900<br>1800   | 100<br>92<br>70    | 75<br>50<br>40     | 63             | 550<br>120           | 60       | 95<br>62           | 80<br>80        | 75<br>50           |
|                         |              |                |      |             |                | ·           |                |                      | 170                | 11                 | 68             | 120                  | UQ       | 50<br>145          | 80              | 40                 |
| ASSUMPTION (D)          | 58 43 118 43 | 6.7            | Đ    | D           | 4              | N           | 6              | 900                  | 138                | 75                 | 4.7            | 440                  |          |                    |                 |                    |
|                         |              | 67<br>67       | 0    | 0           | 4              | N<br>N      | 6              | 900                  | 109                | 75<br>75           | 67<br>67       | 440<br>440<br>550    | 60<br>60 | 94<br>106<br>94    | 80<br>80        | 75<br>75<br>75     |
|                         |              |                |      |             |                |             |                |                      |                    |                    |                |                      |          |                    |                 |                    |
| BOYER RIVER (D)         | 58 10 117 17 | 64             | D    | 0           | 4              | N           | 3              | 1200                 | 13                 | 10                 | 64             | 240                  | 60       | 12                 | 8.0             | 10                 |
|                         |              |                |      |             |                |             |                |                      |                    |                    |                |                      |          |                    |                 |                    |
| HIGH LEVEL (D)          | 58 28 117 08 | 67             |      | D           | L <sub>g</sub> | Υ           | 12             | 1200                 | 810                | 600                | 67             | 2400                 | 60       | 750                | AU              | 600                |
|                         |              | 67<br>65       | D    | 0<br>0<br>0 | 4<br>4<br>6    | Y<br>Y      | 12<br>12<br>12 | 1200<br>1200<br>1200 | 810<br>670<br>810  | 600<br>500<br>500  | 67<br>65       | 2400<br>2400         | 60       | 750<br>625         | 8 O             | 600<br>500         |
|                         |              |                | U    |             |                | ,           | 1 2            | 1200                 | 810                | 500                | 66             | 2400                 | 60       | 625                | 80              | 500                |
| JASPER                  | 52 53 118 05 | 5.1            | D    | D           | ,              | N           |                | 200                  |                    |                    |                |                      |          |                    |                 |                    |
|                         |              | 53             | 0 \$ | D<br>G      | 2 4            | ,4<br>,4    | 6<br>6<br>8    | 300<br>300<br>514    | 450<br>690<br>1720 | 300<br>475<br>1200 | 51<br>53<br>57 | 2400<br>2400<br>2400 | 60       | 375<br>592<br>1500 | 80<br>80<br>80  | 300<br>475<br>1200 |
|                         | (4)          | 64<br>67<br>68 | Ð    | G<br>D<br>D | 4              | Y<br>Y<br>Y | н<br>4<br>12   | 514<br>1800<br>1200  | 700                | 500                | 64             | 4000<br>2300         | 60       | 625<br>1080        | 8 O             | 500<br>850         |
|                         | 1)           | 0.0            |      | U           | 7              | *           | 12             |                      | 670                | 500                | 68             | 2400                 |          | 625                | 80              | 500                |
| JEAN D OR PRAIRIF       | 58 23 115 04 | 66             | D    | n           | 4              | N           |                | 1200                 | 27                 | 2.0                | 4.4            | 120                  |          |                    |                 |                    |
|                         | (v)          | 67             | 0 1  | D<br>D      | 4              | N<br>Y      |                | 1200                 | 27                 | 20<br>20<br>40     | 66<br>66<br>67 | 120<br>120<br>120    | 60       | 31<br>25<br>50     | 8 U<br>8 O      | . 20<br>20<br>40   |
|                         | ( A )        | 6.8            | D    | D           | 4              | Y           | 4              | 1800                 | 68 '               | 40                 | 6 R            | 120                  | 60       | 50                 | 80              | 40                 |
| RAINBOW (D)             | 58 30 119 24 |                |      |             |                |             |                |                      |                    | 80                 |                |                      |          | 100                |                 | 80                 |
|                         |              | 66<br>66       | D I  |             | 4              | Y<br>Y<br>Y | 12             | 1200                 | 670<br>670         | 500                | 66             | 2400                 | 60       | 625                | 8 0<br>8 0      | 500<br>500         |
|                         |              | 0.7            | 17   |             | 4              | ,           | 12             | 1500                 | 711                | 500                | 67             | 2400                 | 60       | 625                | 80              | 500                |
| WABASCA                 | 56 00 113 53 | 5 ત            | D I  | )           | 4              | N           | 6              | 1200                 | 144                | 1.00               | E 0            | 2/00                 |          | 1.25               | 0.0             | 10-                |
|                         | (0)          | 5.8<br>6.7     | D (  |             | 4              | N           | 6              | 1200                 | 146<br>184<br>335  | 100<br>100<br>250  | 58<br>58<br>67 | 2400<br>2400<br>480  | 60       | 125<br>125<br>312  | 80<br>80<br>80  | 100<br>100<br>250  |
|                         | · (A)        | 68             | D (  |             | 4              | Υ           |                | 1800                 | 402                | 300                | 68             |                      | 60       | 3 7 5              | 80              | 300                |
|                         |              |                |      |             |                |             |                | L                    | 000                | 650                |                |                      |          | 812                |                 | 050                |

| INTERNAL CO  | ) HBUSTIN | IN     | Х                          |                  |                       |                            | PRIME                 | MOVERS                   |   |   |   | х .                        | 94.J   | AIN G                      | NERAT                                       | ORS                        | ×   |
|--|-----------|--------|----------------------------|------------------|-----------------------|----------------------------|-----------------------|--------------------------|---|---|---|----------------------------|--|----------------------------|---|----------------------------|---|
| COMPANY NAME<br>PLANT NAME                                     | CO ORD    | LONG   | YE AR                      | TYPE             | FUEL                  | CYCLE                      | SUPER<br>CHARGED      | NO OF<br>CYLINDERS       | RPM                                       | нР  | KW  | YEAR                       | VULTS  | FREO                       | KVA   | POWER<br>FACTOR            | Kw  |
| ZAMA (A)   | 58 48     | 119 08 | 68<br>68<br>68<br>68       | 0 0              | D<br>D<br>D           | 4,<br>4,<br>4,<br>4,       | Y<br>Y<br>N<br>N      | 12<br>12<br>12<br>6<br>6 | 1200<br>1200<br>1200<br>900<br>900        | 670<br>810<br>810<br>109<br>128             | 500<br>600<br>600<br>75<br>75               | 68<br>68<br>68<br>68       | 2400<br>2400<br>2400<br>220<br>550           | 60<br>60<br>60             | 625<br>750<br>750<br>106<br>93              |                            | 500<br>600<br>600<br>75<br>75               |
| PAN AMERICAN PETROLEUM COR                                     | PORATIO   | N      |                            |                  |                       |                            |                       |                          | 2,  | 52.7  | 1,85  | n                          |  |                            | 2,324                                       |                            | 1+850                                       |
| ANTE CREEK (A)   | 54 40     | 117 25 | 6 B                        | s<br>s           | G<br>G                | 4<br>4                     | N<br>N                | 6<br>6                   | 1700<br>1700                              | 210<br>210                                  | 100   | 68                         | 480<br>480                                   | 60                         | 125   | 80<br>80                   | 100   |
|  |           |        |                            |                  |                       |                            |                       |                          |   | 420   | 20  | 0                          |  |                            | 250   |                            | 200   |
| BIGSTONE (A)   | 54 18     | 117 15 | 67<br>67<br>67             | S<br>S<br>S      | G<br>G<br>G           | 4<br>4<br>4                | Y<br>Y<br>Y           | 12<br>12<br>12<br>12     | 900<br>900<br>900<br>900                  | 690<br>690<br>690                           | 400<br>400<br>400<br>400                    | 67<br>67<br>67             | 480<br>480<br>480<br>480                     | 60<br>60<br>60             | 500<br>500<br>500                           | 80<br>80<br>80             | 400<br>400<br>400<br>400                    |
| f  | RITISH    | CCLUMB | ľΛ                         |                  |                       |                            |                       |                          | 2,  | 760   | 1.60  | 0                          |  |                            | 2,000                                       |                            | 1,600                                       |
| BC MYDRO AND PUWER AUTHORE                                     | ŢΥ        |        |                            |                  |                       |                            |                       |                          |   |   |   |                            |  |                            |   |                            |   |
|  |           |        |                            |                  |                       |                            |                       |                          |   |   |   |                            |  |                            |   |                            |   |
| BELLA CORLA  | 52 22     | (ט     | 55<br>56<br>57<br>63<br>68 | 0 0 0            | D<br>D<br>D<br>Q<br>O | 6,<br>6,<br>6,<br>6,<br>4, | N<br>N<br>N<br>Y<br>Y | 8<br>8<br>8<br>12<br>8   | 900<br>900<br>900<br>1200<br>1200<br>1200 | 180<br>190<br>146<br>425<br>560<br>850      | 100<br>100<br>100<br>300<br>350<br>500      | 55<br>56<br>57<br>63<br>68 | 2400<br>2400<br>2400<br>2400<br>2400<br>2400 | 60<br>60<br>60<br>60<br>60 | 125<br>125<br>120<br>326<br>438<br>625      | 80<br>80<br>80<br>80       | 100<br>100<br>96<br>261<br>350<br>500       |
|  |           |        |                            |                  |                       |                            |                       |                          | 2,  | 161   | 1,35  | ח                          |  |                            | 1,634                                       |                            | 1,307                                       |
| FORT NELSON  | 58 49     |        | 55<br>60<br>60<br>60       | S<br>D<br>S<br>S | G<br>D<br>DG<br>DG    | 4 4 4                      | Y<br>Y<br>Y<br>Y      | 8<br>12<br>6<br>8<br>6   | 514<br>1200<br>450<br>514<br>1200         | 1410<br>475<br>865<br>1690<br>150           | 1000<br>300<br>600<br>1200<br>100           | 55<br>60<br>60<br>60       | 2400<br>2400<br>2300<br>2400<br>2400         | 60<br>60<br>60<br>60       | 1250<br>326<br>750<br>1500<br>125           | 80<br>80<br>80<br>80       | 1000<br>261<br>600<br>1200<br>100           |
|  |           |        |                            |                  |                       |                            |                       |                          | 4,  | 440   | 3,10  | )                          |  |                            | 3,826                                       |                            | 3,061                                       |
| MASSET (A) (THIS PLANT ACQUIRED FROM C. MARTIN UTILITIES LTD.) | 54 01     | 132 07 | 5 5<br>6 8<br>6 8          | D<br>D           | D<br>D                | 4 4                        | N<br>N<br>Y           | 8<br>6<br>6              | 900<br>1200<br>1200                       | 180<br>184<br>405                           | 100<br>120<br>250                           | 55<br>68<br>68             | 2400<br>2300<br>2400                         | 60<br>60                   | 125<br>156<br>312                           | 80<br>80<br>80             | 100<br>120<br>250                           |
|  |           |        |                            |                  |                       |                            |                       |                          |   | 769   | 47  | )                          |  |                            | 593   |                            | 470   |
| MICA   | 51 58     |        | 65<br>65<br>65<br>65<br>7  | D D D D          | D D D D               | 4<br>4<br>4<br>4           | Y<br>Y<br>Y<br>Y      | 6<br>8<br>8<br>16<br>16  | 720<br>514<br>514<br>327<br>327<br>327    | 960<br>1410<br>1410<br>3700<br>4210<br>4210 | 675<br>1000<br>1000<br>2500<br>3000<br>3000 | 65<br>65<br>65<br>65<br>57 | 2400<br>2400<br>2400<br>2400<br>6900<br>6900 | 60<br>60<br>60<br>60<br>60 | 843<br>1250<br>1250<br>3125<br>3750<br>3750 | 80<br>80<br>80<br>80<br>80 | 675<br>1000<br>1000<br>2500<br>3000<br>3000 |
| 2022 01 212  |           |        |                            |                  |                       |                            |                       |                          | 15,                                       | 900   | 11,17                                       | 5                          |  | . 1                        | 3,968                                       | 1                          | 1,175                                       |
| PORT CLEMENTS (A)  | 53 41 3   | 132 12 | 68<br>68                   | D<br>D           | D<br>D                | 4 4                        | N<br>N<br>N           | 6<br>6<br>8              | 1800<br>900<br>900                        | 248<br>146<br>146                           | 150<br>100<br>100                           | 68<br>68                   | 240<br>440<br>2400                           | 60<br>60<br>60             | 187<br>113<br>120                           | 80<br>80<br>80             | 150<br>100<br>100                           |

540 350

420 350

| INTERNAL C                           | OMBUST | ION   |     | x                                |               |                                       |   | PRIME .               | MOVERS  |   |  |   | x                                | M  | AIN G                      | ENERATI  | ORS                                       | x  |
|--------------------------------------|--------|-------|-----|----------------------------------|---------------|---------------------------------------|---|-----------------------|---|---|--|---|----------------------------------|--|----------------------------|--|---|--|
| COMPANY NAME PLANT NAME              | CO O   |       |     | YE AR                            | TYPE          | FUEL                                  | CYCLE                                   | SUPER<br>CHARGED      | NO OF<br>CYLINDERS  | RPM   | НР   | KW  | YEAR                             | VOLTS  | FREQ                       | KVA  | POWER FACTOR                              | KW   |
| PRINCE GEORGE                        | 53 5   | 5 12  | (D) | 57<br>57<br>57<br>59<br>59       | D D D S S S S | DG<br>DG<br>DG<br>DG<br>G<br>G        | 4 4 4 4                                 | Y<br>Y<br>Y<br>Y      | 16<br>16<br>16<br>16<br>16<br>16                              | 327<br>327<br>327<br>327<br>327<br>327<br>450 | 4210<br>4210<br>4210<br>4210<br>4210<br>4210<br>4190 | 3000<br>3000<br>3000<br>3000<br>3000<br>3000  | 57<br>57<br>57<br>57<br>59<br>59 | 6900<br>6900<br>6900<br>6900<br>6900<br>6900                       |                            | 3750<br>3750<br>3750<br>3750<br>3750<br>3750<br>3750 | 80<br>80<br>80<br>80<br>80<br>80          | 3000<br>3000<br>3000<br>3000<br>3000<br>3000<br>3000 |
| STEMART                              | 55 5   | 6 12  | (D) |                                  | 0 0 0 0 0     | D D D D D D                           | 4,<br>4,<br>4,<br>4,<br>4,              | Y<br>N<br>N<br>Y<br>Y | 6<br>6<br>6<br>8<br>12<br>12                                  | 1854<br>1200<br>1800<br>1200<br>1200<br>1200  | 248<br>175<br>136<br>560<br>795<br>795               | 9,000<br>150<br>125<br>100<br>350<br>500<br>500   | 65<br>66<br>68                   | 240<br>480<br>2400<br>2400<br>4160                                 | 60<br>60<br>60<br>60<br>60 | 187<br>156<br>125<br>438<br>625<br>625               | 80<br>80<br>80<br>80<br>80                | 150<br>125<br>100<br>350<br>500                      |
| NOBÎLE UNIT 104 (A)                  |        |       |     | 6.8                              | D             | D                                     | 4                                       | Y                     | 16  | 900   | 2110   | 1,475   | 68                               | 4160   | 60                         | 1,844  | 80  | 1,475  |
| MOBILE UNIT 105 (A)                  |        |       |     | 68                               | D             | D                                     | 4                                       | Y                     | 16  | 900   | 2110   | 1,500   | 68                               | 4160   | 60                         | 1,875  | 80  | 1,500  |
| MOBILE UNIT 106 (A)                  |        |       |     | 68                               | D             | D                                     | 4                                       | Y                     | 12  | 1200  | 750<br>750   | 600   | 68                               | 2400   | 60                         | 750  | 80  | 600  |
| MOBILE UNIT 107 (A)                  |        |       |     | 68<br>68                         | D             | D<br>D                                | 4                                       | Y                     | 6<br>6  | 1800<br>1800                                  | 235<br>235   | 150<br>150  | 68                               | <b>4160 4160</b>   | 60                         | 750<br>187<br>187                                    | 80  | 150<br>150   |
| CANADIAN FOREST PRODUCTS L           | . TD   |       |     |                                  |               |                                       |   |                       |   | ,   | 470  | 300   |                                  |  |                            | 374  |   | 300  |
| ENGLEWOOD  CASSIAR ASBESTOS CORP LTD | 50 32  | ? 126 | (D) | 54<br>55<br>55<br>56<br>56<br>57 |               | D D D D D D D D D D D D D D D D D D D | 4 |                       | 6<br>4<br>6<br>6<br>4<br>6<br>4<br>4<br>4<br>4<br>4<br>6<br>5 |   |  | 30<br>25<br>25<br>75<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>25<br>30<br>5 |                                  | 220<br>220<br>220<br>220<br>220<br>220<br>220<br>220<br>220<br>220 | 60                         |  | HO 80 80 80 80 80 80 80 80 80 80 80 80 80 |  |
| CASSIAR                              | 59 17  | 129   |     | 5 2<br>5 3                       |               |                                       | 4                                       | N<br>Y                | 8   | 514<br>514                                    | <b>432</b><br><b>485</b>                             | 300<br>300  | 52<br>53                         | 2300<br>2300   | 60                         | 375<br>375   | 80  | 300<br>300   |

| INTERNAL CO  | NOTT SUPPLE    | x                                      |                  |                      |                                  | PRIME                      | MOVERS                          |   |  | ;   | K  | МΔ  | IN GE                            | NERATI   | IR S                                   | ×   |
|--|----------------|--|------------------|----------------------|----------------------------------|----------------------------|---------------------------------|---|--|---|--|---|----------------------------------|--|--|---|
| CUMPANY NAME PLANT NAME CASSIAR CONCL'U                            | CO ORDINATES   |  | TYPE             | FUEL                 | CYCLE                            |                            | NO OF<br>CYLINDERS              | RPM   | HP   | KW  | YEAR   | VOLTS   | FREQ                             | KVΔ  | POWER<br>FACTUR                        | Кw  |
|  | Δ)             | 53<br>54<br>58<br>58<br>61<br>64<br>67 | 0 0 0 0 0 0      | 0 0 0 0 0 0 0        | 4<br>4<br>4<br>4<br>4            | A<br>A<br>A<br>A<br>A      | 7<br>8<br>7<br>6<br>8<br>5<br>t | 514<br>514<br>400<br>400<br>600<br>450<br>514<br>1200 | 566<br>648<br>504<br>432<br>940<br>1500<br>1450<br>950 | 350<br>450<br>350<br>300<br>650<br>1200<br>900<br>500 | 53<br>54<br>58<br>58<br>61<br>64<br>67<br>68 | 230')<br>2300<br>2300<br>2300<br>2400<br>2400<br>2400<br>2400 | 60<br>60<br>60<br>60<br>60<br>60 | 438<br>562<br>438<br>375<br>812<br>1500<br>1125<br>625 | 80<br>80<br>80<br>80<br>80<br>80<br>80 | 350<br>450<br>350<br>300<br>650<br>1200<br>900<br>500 |
| JEDWAY IRON ORE CO LTD   |                |  |                  |                      |                                  |                            |                                 | 7,  | 907  | 5,30  | D  |   |                                  | 6,625  |  | 5,300   |
| JEDWAY (D)   | 52 17 131 15   | 62<br>62<br>62<br>61                   | D<br>D<br>D      | D<br>D<br>D          | 4<br>4<br>4                      | N<br>N<br>N                | 8<br>8<br>8                     | 600<br>600<br>600<br>1800                             | 1600<br>1600<br>1600<br>400                            | 1000<br>1000<br>1000<br>300                           | 62<br>62<br>62<br>62                         | 2400<br>2400<br>2400<br>2400                                  | 60<br>60<br>60                   | 1250<br>1250<br>1250<br>281                            | 80<br>80<br>80                         | 1000<br>1000<br>1000<br>225                           |
| WESFROB MINES LTD  |                |  |                  |                      |                                  |                            |                                 |   |  |   |  |   |                                  |  |  |   |
| TASU   | (0)            | () 67<br>() 67<br>() 67<br>() 67       | D<br>D<br>D<br>D | DR<br>DR<br>DR<br>DR | 4 4 4                            | Y<br>Y<br>Y<br>Y           | 12<br>12<br>12<br>12            | 450<br>450<br>450<br>450                              | 3300<br>3300<br>3300<br>3300                           | 2210<br>2210<br>2210<br>2210<br>2210                  | 67<br>67<br>67<br>67                         | 4160<br>4160<br>4160<br>4160<br>4160                          | 60<br>60<br>60                   | 2770<br>2770<br>2770<br>2770<br>2770                   | 80<br>80<br>80<br>80<br>80             | 2210<br>2210<br>2210<br>2210<br>2210                  |
| WEST KOOTENAY POWER & LIGH   | HT CO LTD      |  |                  |                      |                                  |                            |                                 | 16,   | 500  | 11,05   | 0  |   | 1                                | 3.850  |  | 11,050  |
| SOUTH SLOCAN (C) (FORMERLY KNOWN AS KASLO) ZEBALLOS IRON MINES LTD | 49 27 117 30   | 63                                     | S                | D                    | ?                                | Y                          | 4                               | 1600  | 260<br>260   | 194   | 63   | 460   | 60                               | 250<br>250   | 80                                     | 200   |
| ZEBALLOS MINES   | ( C<br>( A     | 0) 64<br>0) 66<br>0) 64<br>1) 68       | D S S D          | 0 0 0 0 0            | Lq<br>Lq<br>Lq<br>Lq<br>Lq<br>Lq | Y<br>Y<br>Y<br>Y           | 12<br>12<br>16<br>8<br>8        | 1800<br>1800<br>720<br>1200<br>1200                   | 600<br>600<br>1800<br>290<br>290<br>1000               | 300<br>300<br>1000<br>200<br>200<br>750               | 62<br>64<br>64<br>68<br>68                   | 480<br>480<br>480<br>480<br>480<br>480                        | 60<br>60<br>60<br>60             | 375<br>375<br>1250<br>250<br>250<br>1250               | 80<br>80<br>80<br>80<br>80             | 300<br>300<br>1000<br>200<br>200<br>1000              |
| M  | INRTH WEST TER | RITORY                                 | ,                |                      |                                  |                            |                                 | * 1   | 700  | 1,17  |  |   |                                  | 11120  |  | 1,400   |
| ECHO BAY MINES LTD   |                |  |                  |                      |                                  |                            |                                 |   |  |   |  |   |                                  |  |  |   |
| PORT RADIUM (A)  | 61 30 118 00   |  | 0 0 0 0 0        | 0 0 0 0 0            | 4 4 4 4                          | Y<br>N<br>N<br>Y<br>N<br>Y | 6<br>6<br>12<br>6<br>12<br>12   | 1200<br>400<br>1800<br>1200<br>1800<br>1800<br>1200   | 375<br>300<br>450<br>375<br>450<br>750<br>665          | 250<br>250<br>250<br>250<br>250<br>250<br>500         |  | 550<br>575<br>600<br>550<br>600<br>600<br>2300                | 60<br>60<br>60<br>60<br>60       | 313<br>250<br>250<br>313<br>250<br>625<br>625          | 80<br>80<br>80<br>80<br>80<br>80<br>80 | 250<br>200<br>200<br>250<br>200<br>500<br>500         |
|  |                |  |                  |                      |                                  |                            |                                 | 3,  | 365  | 2,25  | 0  |   |                                  | 2,626  |  | 2,100   |

| INTERNAL CO                | MBL | STE | ON   |             | Х                          |                  |                  |                       | PRIME !                    | MOVERS                |  |  |                              | х                                | М   | AIN GE                     | NERAT                               | nr s                       | х                                   |
|----------------------------|-----|-----|------|-------------|----------------------------|------------------|------------------|-----------------------|----------------------------|-----------------------|--|--|------------------------------|----------------------------------|---|----------------------------|-------------------------------------|----------------------------|-------------------------------------|
| COMPANY NAME<br>PLANT NAME |     |     | DÍN  | ATES<br>DNG | YE AR                      | TYPE             | FUFL             | CYCLE                 |                            | NO DE                 | DDM  | ио                                     | KW                           | VEAD                             | VOLTE   | 5850                       | WW.A                                | POWER                      |                                     |
| IMPERIAL DIL LID           |     |     |      |             |                            |                  | , 522            | 01021                 | CHARGED                    | CILINDERS             | NPM.   | ne                                     | NW.                          | TEAK                             | VCLTS   | FKED                       | KVA                                 | FACTOR                     | KW                                  |
| NORMAN WELLS               | 65  | 17  | 120  | (0)         | 45<br>45<br>45<br>45<br>61 | D<br>D<br>D<br>D | 0<br>0<br>0<br>0 | 4,<br>6,<br>6,<br>4,  | 7<br>7<br>7<br>7<br>7<br>7 | 6<br>6<br>6<br>6      | 1200<br>1200<br>1200<br>1200<br>1200<br>1200 | 120<br>120<br>120<br>120<br>120<br>625 | 74<br>74<br>74<br>75<br>300  | 43<br>43<br>43<br>43<br>61<br>67 | 220<br>220<br>220<br>220<br>220<br>230        | 60<br>60<br>60             | 92<br>92<br>92<br>94<br>375         | 80<br>80<br>80<br>80<br>80 | 74<br>14<br>74<br>75<br>300         |
| NORTHERN CANADA POWER COMM | ı   |     |      |             |                            |                  |                  |                       |                            |                       |  | 600                                    | 37                           | 1                                |   |                            | 462                                 |                            | 371                                 |
| <b>AK</b> LAVIK            |     | 1.  | 1.70 |             |                            |                  |                  |                       |                            |                       |  |  |                              |                                  |   |                            |                                     |                            |                                     |
| ANL MY IN                  | 68  | 14  | 1 35 |             | 53<br>53<br>53<br>53<br>53 | D D D D D        | D D D D          | 4<br>2<br>4<br>4<br>4 | N<br>Y<br>N<br>N<br>Y      | 5<br>6<br>6<br>4<br>8 | 500<br>1350<br>1350<br>1800<br>600           | 300<br>300<br>40<br>40<br>100<br>480   | 200<br>200<br>30<br>30<br>60 | 53<br>53<br>53<br>53<br>53       | 220<br>220<br>220<br>220<br>220<br>220<br>550 | 60<br>60<br>60<br>60<br>60 | 250<br>250<br>38<br>25<br>75<br>312 | 80<br>80<br>80<br>90<br>80 | 200<br>200<br>30<br>23<br>60<br>250 |
| 0.0052 1.005 (4)           |     |     |      |             |                            |                  |                  |                       |                            |                       | 1,   | 260                                    |                              |                                  |   |                            | 950                                 |                            | 763                                 |
| BAKER LAKE (A)             | 64  | 15  | 95   | 5 45        | 68<br>68<br>68             | 0<br>0<br>0      | D<br>D           | 4<br>4<br>4<br>4      | N<br>N<br>N                | 6<br>6<br>6           | 1200<br>1200<br>600<br>600                   | 240<br>240<br>288<br>288               |                              | 68<br>68<br>68<br>68             | 600<br>600<br>600                             | 60<br>60<br>60             | 156<br>156<br>250<br>250            | 80<br>80<br>80<br>80       | 125<br>125<br>200<br>200            |
| (1)                        |     |     |      |             |                            |                  |                  |                       |                            |                       | 1,   | 056                                    |                              |                                  |   |                            | 812                                 |                            | 650                                 |
| CHESTERFIELD INLET (A)     | 63  | 30  | 90   | ) 40        | 68<br>68<br>68             | D                | D<br>D           | 4<br>4<br>4           | Y<br>Y<br>N                | 8<br>8<br>6           | 1800<br>1800<br>1800                         | 262<br>262<br>140                      |                              | 68<br>68                         | 575<br>600<br>240                             | 60                         | 189<br>188<br>125                   | 80<br>80<br>80             | 150<br>150<br>100                   |
| 5007 0500 1171011          |     |     |      |             |                            |                  |                  |                       |                            |                       |  | 664                                    |                              |                                  |   |                            | 501                                 |                            | 400                                 |
| FORT RESOLUTION            | 61  | 11  | 113  |             | 60<br>60                   | 0                | 0 0              | 4<br>4<br>4           | N<br>N                     | 6<br>3<br>5           | 1200<br>600<br>600                           | 120<br>156<br>227                      | 75<br>100<br>156             | 60<br>60                         | 4160<br>4160<br>4160                          | 60<br>60                   | 94<br>126<br>195                    | 80<br>80                   | 75<br>100<br>156                    |
| 5000 4000                  |     |     |      |             |                            |                  |                  |                       |                            |                       |  | 347                                    | 23                           | 1                                |   |                            | 289                                 |                            | 231                                 |
| FORT SMITH                 | 60  | 00  | 111  | 53<br>(D)   | 55<br>57<br>62<br>64       | D<br>D<br>D      | 0<br>0<br>0      | 4<br>4<br>2<br>4      | Y<br>Y<br>N<br>Y           | 6<br>8<br>5           | 600<br>720<br>300<br>720                     | 405<br>866<br>575<br>1368              | 280<br>600<br>400<br>960     | 55<br>57<br>62<br>64             | 4160<br>4160<br>4160<br>4160                  | 60                         | 350<br>750<br>490<br>1200           | 80<br>80<br>80             | 280<br>600<br>392<br>960            |
|                            |     |     |      |             |                            |                  |                  |                       |                            |                       | 2,   | 809                                    | 1,96                         | 0                                |   |                            | 2,440                               |                            | 1,952                               |
| NORTHLAND UTILITIES LTD    |     |     |      |             |                            |                  |                  |                       |                            |                       |  |  |                              |                                  |   |                            |                                     |                            |                                     |
| FORT PROVIDENCE            | 61  | 21  | 117  | (D)         | 63<br>64<br>68<br>68       | D<br>D<br>D      | 0<br>0<br>0<br>0 | 4<br>4<br>4<br>4      | 2                          | 6<br>6<br>8<br>8<br>8 | 900<br>900<br>900<br>900<br>1200             | 109<br>128<br>139<br>139<br>325        | 75<br>75<br>90<br>90<br>225  | 63<br>64<br>68<br>68             | 220<br>550<br>2400<br>2400<br>2400            | 60<br>60<br>60<br>60       | 106<br>94<br>112<br>112<br>280      | 80<br>80<br>80<br>80       | 75<br>75<br>90<br>90<br>225         |
|                            |     |     |      |             |                            |                  |                  |                       |                            |                       |  | 503                                    | 40                           | 5                                |   |                            | 504                                 |                            | 405                                 |

| INTERNAL                 | CUMBUSTION               | ×  |             |   |                | ·PRIME I                                | MOVERS                             |  |   | 3  | K  | MA  | IN GE                      | ENERAT  | ORS                                    | ×   |
|--------------------------|--------------------------|--|-------------|---|----------------|---|------------------------------------|--|---|--|--|---|----------------------------|---|--|---|
| COMPANY NAME PLANT NAME  | CO URDINATES<br>LAT LONG |  | TYPE        | FUEL                                    | CYCLF          |   | NO OF<br>CYLINDERS                 | RPM  | HP  | KW   | YEAR   | VCLTS   | FREQ                       | KV A  | POWER<br>FACTOR                        | Ки  |
| HAY RIVER                | 0 )<br>0 )<br>( )<br>( ) | 59<br>) 62<br>) 62<br>62<br>) 65<br>66<br>) 68<br>) 68 | D D D D D D | 0 | 4 4 4 4 4 4 4  | N N N Y N N N N N N N N N N N N N N N N | 8<br>6<br>8<br>6<br>12<br>12<br>16 | 750<br>450<br>514<br>450<br>1200<br>1200<br>1200<br>1200 | 900<br>325<br>480<br>940<br>335<br>711<br>670<br>667<br>667 | 500<br>275<br>300<br>650<br>250<br>500<br>350<br>350 | 66<br>62<br>62<br>62<br>65<br>59<br>68<br>68 | 2400<br>2400<br>550<br>2400<br>2400<br>2300<br>2400<br>2400<br>2400 | 60<br>60<br>60<br>60<br>60 | 625<br>344<br>375<br>813<br>312<br>625<br>625<br>437<br>437 | 80<br>80<br>80<br>80<br>80<br>80<br>80 | 500<br>275<br>300<br>650<br>250<br>500<br>500<br>350<br>350 |
|                          | YUKON                    |  |             |   |                |   |                                    | ***  | 777   | 2+001  | J  |   |                            | 23702   |  | 2.850   |
| CASSIAR ASBESTOS CORPOR  | ATION LID                |  |             |   |                |   |                                    |  |   |  |  |   |                            |   |  |   |
| CLINTON CREEK (A)        |                          | 67<br>67<br>67   | D<br>D<br>D | D<br>D<br>D                             | 64<br>64<br>64 | Y<br>Y<br>Y                             | 9<br>9<br>9                        | 514<br>514<br>514  | 1975<br>1975<br>1975<br>1975                                | 1400<br>1400<br>1400<br>1400                         | 67<br>67<br>67<br>67                         | 4160<br>4160<br>4160<br>4160  | 60                         | 1750<br>1750<br>1750<br>1750                                | 80<br>80<br>80                         | 1400<br>1400<br>1400<br>1400                                |
| NORTHERN CANADA POWER CO | DMM                      |  |             |   |                |   |                                    |  |   |  |  |   |                            |   |  |   |
| WHITEHORSE (A)           | 60 40 135 00             | 68<br>68   |             | D 0                                     | 4              | Y<br>Y                                  | 12<br>16                           | 514  | 5480<br>7180  |  | 68<br>68                                     | 6900<br>6900  | 60                         | 4900<br>6438  | 80<br>80                               | 3920<br>5150  |
| YUKON ELECTRICAL OF LTD  |                          |  |             |   |                |   |                                    | 1.24   | 000   |  |  |   | •                          |   |  | 74010   |
| CARMACKS                 |                          | 67   | D<br>D      | D<br>O<br>D                             | 4<br>4<br>4    | Y<br>Y<br>Y                             | 6<br>6<br>6                        | 1800<br>1800<br>1200                                     | 150<br>319<br>330   | 100<br>200<br>250<br>450                             | 66<br>67<br>68                               | 2400<br>2400<br>2400  | 60<br>60<br>60             | 125<br>250<br>313   | 80<br>80<br>80                         | 100<br>200<br>250<br>450                                    |
| PELLY RIVER CHOSSING     | (0                       | ) 66<br>66<br>) 68                                     | D<br>D      | D<br>D                                  | 4 4            | Y<br>Y<br>Y                             | 4,<br>4,<br>4,                     | 1800<br>1800<br>1800                                     | 55<br>55<br>100   | 40<br>40<br>60                                       | 66<br>66<br>68                               | 120<br>120<br>2400  | 60<br>60<br>60             | <b>5</b> 0<br><b>5</b> 0<br><b>7</b> 5                      | 80<br>80<br>80                         | 40<br>40<br>60  |
| ROSS RIVER               | 62 00 132 27<br>(C       | ) 66<br>67<br>67                                       | D<br>D      | 0                                       | 4<br>4<br>4    | Y<br>Y<br>Y                             | 4<br>6<br>6                        | 1800<br>1800<br>1800                                     | 118<br>270<br>319   | 60<br>100<br>200                                     | 66<br>67<br>67                               | 120<br>2400<br>2300   | 60<br>60<br>60             | 94<br>125<br>250  | 80<br>80<br>80                         | 60<br>100<br>200  |
| STEWART CROSSING         |                          | 65 65 68   | D<br>D      | 0 0                                     | 4<br>4<br>4    | Y<br>Y<br>Y                             | 4,<br>4,<br>4,                     | 1800<br>1800<br>1800                                     | 100<br>100<br>55  | 60<br>60<br>40                                       | 65<br>65<br>68                               | 2400<br>2400<br>125   | 60<br>60                   | 375<br>75<br>75<br>50                                       | 80<br>80<br>80                         | 60<br>60<br>40  |
| VENUS MINES (A)          |                          | 68   | D<br>D      | D<br>D                                  | 4              | Y                                       | 12                                 | 1200<br>1800   | 482<br>150  | 350<br>100   | 68<br>68                                     | 2400<br>2400  | 60                         | 438<br>125  | 80                                     | 350<br>100  |

|                            | INTERNAL | COMBUS | 110 | N   |     | ×     |      |      |       | PRIME            | MOVERS             |      |     |      | x    | M     | AIN GE | NERATO | TR S            | Х     |
|----------------------------|----------|--------|-----|-----|-----|-------|------|------|-------|------------------|--------------------|------|-----|------|------|-------|--------|--------|-----------------|-------|
| COMPANY NAME<br>PLANT NAME |          |        |     | LO! |     | YE AR | TYPE | FUEL | CYCLF | SUPER<br>CHARGED | NO OF<br>CYLINDERS | RPM  | HP  | KW   | YEAR | VNLTS | FREQ   | ΚVΔ    | POWER<br>FACTUR | Kw    |
| WATSON LAKE                |          | 60     | 07  | 128 | 4.8 |       |      |      |       |                  |                    |      |     |      |      |       |        |        |                 |       |
|                            |          |        |     |     | (D) | 59    | D    | 0    | 4     | N                | 6                  | 900  | 159 | 100  | 59   | 480   | 60     | 125    | 8.0             | 100   |
|                            |          |        |     |     | (D) | 59    | U    | ()   | 4     | N                | 6                  | 900  | 159 | 100  | 59   | 480   |        | 125    | 80              | 100   |
|                            |          |        |     |     | ` ′ | 59    | D    | ()   | 4     | Y                | 1.2                | 1200 | 430 | 300  | 59   | 2400  |        | 375    | 80              | 300   |
|                            |          |        |     |     | (D) | 60    | P    | ()   | 4     | Y                | 12                 | 1200 | 482 | 350  | 60   | 2400  |        | 433    | 80              | 350   |
|                            |          |        |     |     |     | 6.7   | ()   | U    | 4     | Y                | 12                 | 1200 | 528 | 350  | 67   | 2400  |        | 438    | 80              | 350   |
|                            |          |        |     |     |     | 6.7   | Ð    | Ω    | 4     | ħį               | н                  | 900  | 139 | 90   | 67   | 2400  |        | 112    | 40              | 30    |
|                            |          |        |     |     |     | 6.7   | ()   | ()   | 4     | N                | 8                  | 900  | 139 | 90   | 67   | 2400  |        | 112    | 80              | 90    |
|                            |          |        |     |     | (A) | 6.7   | D    | Ð    |       |                  |                    |      |     | 600  | 67   | 2400  |        | 75 1   |                 | 670   |
|                            |          |        |     |     |     |       |      |      |       |                  |                    | 1,   | 236 | 1,43 | n    |       |        | 1,787  |                 | 1,430 |
| WHITEHORSE (               | A)       | 60 4   | 43  | 135 | 03  |       |      |      |       |                  |                    |      |     |      |      |       |        |        |                 |       |
|                            |          |        |     |     |     | 6.8   | D    | D    | 4     | Y                | 12                 | 1200 | 810 | 600  | 68   | 2400  | 60     | 750    | 8.0             | 600   |
|                            |          |        |     |     |     | 6.8   | D    | D    | 4     | Υ                | 12                 | 1200 | 810 | 600  | 68   | 2400  | 60     | 750    | 80              | 600   |
|                            |          |        |     |     |     | 6.8   | L    | D    | 4     | Y                | 12                 | 1200 | 810 | 600  | 68   | 2400  |        | 750    | 80              | 600   |
|                            |          |        |     |     |     |       |      |      |       |                  |                    | 2 .  | 430 | 1,80 | 0    |       |        | 2,250  |                 | 1.800 |

| GAS TURBI                  | NE X  |  | MAIN TURBINES                                | х   | MAIN GENERATORS X  |
|----------------------------|---|--|--|---|--|
| COMPANY NAME<br>PLANT NAME | CO ORDINATES LAT LONG FUEL YEAR C                           | TURBINE<br>INLET<br>ICLE TEMP F                | PRESSURE SHAFTS RATIO NO RPM                 | KW CAPACITY<br>AT AMBIENT<br>O F 80 F YEA       | COCL POWER -ANT FREC FACTOR R VOLTS KVA KW   |
|                            | NEWFOUNDL AND   |  |  |   |  |
| NEWFOUNDLAND LIGHT & POL   | ER CO   |  |  |   |  |
| SALT POND (A)              | 47 10 55 13<br>68 C   | \$ 932   |  | 15500 13000 68<br>5,500 13,000                  | A 1380C 60 17700 80 14150<br>17,700 14,150   |
|                            | ONTARIO   |  |  |   |  |
| HYDRO-ELECTRIC POWER COM   | M OF ONTARIO  |  |  |   |  |
| DETWEILER                  | 43 43 80 33<br>(C) 67 0<br>(C) 67 0<br>(C) 67 0<br>(C) 67 0 | S 1450<br>S 1450<br>S 1450<br>S 1450<br>S 1450 |  |   | A 13800 60 19200 85 16320<br>A 13800 60 19200 85 16320<br>A 13800 60 19200 85 16320<br>A 13800 60 19200 85 16320 |
|                            |   |  | 7  | 57,000  | 76,800 65,280  |
| THUNDER BAY (A)            | 48 22 89 13<br>68 0<br>68 0                                 | 5 1165<br>S 1165                               |  |   | A 416C 60 16650 85 14150<br>A 4160 60 16650 85 14150   |
|                            | ~ ∆N ITOBA  |  | *  | <b>9,24</b> 0 22,000                            | 33,300 28,300  |
| MANITOBA HYDRO             |   |  |  |   |  |
| SELKIRK                    | 50 09 96 52<br>67 K<br>(A) 68 K                             |  | 2.4 2 6200 10000                             | 12260 9500 68                                   | A 4160 60 14000 85 11900<br>A 4160 60 14000 85 11900<br>28,000 23,800  |
|                            | SASKATCHF WAN   |  |  |   |  |
| SASKATCHEWAN POWER CORP    |   |  |  |   |  |
| REGINA                     | 50 25 104 39<br>(C) 60 G                                    | 5 1450   |  | <u>23000</u> 18000 60                           | A 14400 60 29200 80 23360<br>29,200 23,360   |
| SUCCESS                    | 50 26 108 17<br>67 G<br>67 G<br>(A) 68 G                    | S 1150<br>S 1150<br>S 1150                     | 2.7/1 ? 9200<br>2.7/1 2 9200<br>2.7/1 2 9200 | 15000 9500 67<br>15000 9500 67<br>15000 9500 67 | A 13800 60 14800 80 11840<br>A 13800 60 14800 80 11840<br>A 13800 60 14800 80 11840                              |
|                            | ALBERTA   |  | 4  | 5,000 28,500                                    | 44,400 35,520  |
| ALBERTA D.P.W.             |   |  |  |   |  |

SOUTH POWER PLANT (C) 53 35 113 28 (FORMERLY KNOWN AS EDMONTON) 60 G R 1427 5/1 2 7000 8000 2860 2680 6C A 4160 60 2750 80 2100 2,860 2,680 2,750 2,100

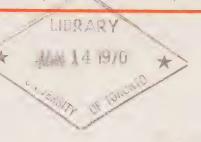
| GAS TUR   | 31116                    | x     |    |        |                            | MAIN TU           | RRINES |           |                            | x                             |   | MAIN GE                       | NE RATOR             | s    | x                    |
|---|--------------------------|-------|----|--------|----------------------------|-------------------|--------|-----------|----------------------------|-------------------------------|---|-------------------------------|----------------------|------|----------------------|
| CEMPANY NAME<br>PLANT NAME                              | CO ORDINATE:<br>LAT LONG |       |    |        | TURBINE<br>INLET<br>TEMP F | PRESSURE<br>RATEO |        | S<br>R PM | KW CAPA<br>AT AMBI         |                               |   | FRF                           | ) F                  | OWER |                      |
| CANADIAN UTILITIES LTD                                  |                          |       |    |        |                            |                   |        |           |                            |                               |   |                               |                      |      |                      |
| RAINBOW (C)<br>(THIS UNIT FORMERLY SIT<br>AT VERMILION) | 58 30 119 30<br>TUATED   | 60    | G  | s      | 1350                       | 6 - 1             | 1      | 3600      |                            | 21000 60                      | A | 1380 60                       | 32000                | 90   | 30000                |
|   | BRITISH COLUMN           | 3 I A |    |        |                            |                   |        |           |                            | 21,000                        |   |                               | 32,000               |      | 30,000               |
|   |                          |       |    |        |                            |                   |        |           |                            |                               |   |                               |                      |      |                      |
| BC HYDRO AND POWER AUTH                                 | ICRITY                   |       |    |        |                            |                   |        |           |                            |                               |   |                               |                      |      |                      |
| MOBILE UNIT 99  | (c)                      | 67    | 60 | S      | 1400                       | 3.4/1             | 2      | 7500      | 7500                       | 5000 67                       | Α | 12500-60                      | 6250                 | 80   | 5000                 |
|   |                          |       |    |        |                            |                   |        |           | 7,500                      | 5,000                         |   |                               | 6,250                |      | 5,000                |
| MCBILE UNIT 100   | (c)                      | 67    | GO | S      | 1400                       | 3.4/1             | 2      | 7500      | 7500                       | 5000 67                       | А | 4160 60                       | 6250                 | 80   | 5000                 |
|   |                          |       |    |        |                            |                   |        |           | 7,500                      | 5,000                         |   |                               | 6,250                |      | 5,000                |
| IMPERIAL OIL LTD  |                          |       |    |        |                            |                   |        |           |                            |                               |   |                               |                      |      |                      |
| BOUNDARY LAKE (A)                                       | 56 20 120 00             | 64    | 6  | S      | 1400                       | 4.1               | 1      | 1200      | 0.1400                     |                               |   |                               |                      |      |                      |
|   |                          | 64    | G  | S<br>S | 1400                       | 4.1<br>4.1        | 1 1    | 1300      | 0 1600<br>0 1600<br>0 1600 | 1050 64<br>1050 64<br>1050 64 | Α | 4160 60<br>4160 60<br>4160 60 | 1875<br>1875<br>1875 | 80   | 1500<br>1500<br>1500 |
|   |                          |       |    |        |                            |                   |        |           | 4,800                      | 3,150                         |   |                               | 5,625                |      | 4,500                |
|   | NORTH WEST TER           | RITO  | RY |        |                            |                   |        |           |                            |                               |   |                               |                      |      |                      |
| DERTHERN CANADA POWER O                                 | r                        |       |    |        |                            |                   |        |           |                            |                               |   |                               |                      |      |                      |
| NCRMAN WELLS (A)  | 65 20 127 02             | 68    |    | S      | 80                         | 4/1               | 1      | 19800     |                            | 350 68                        | Α | 4160 60                       | 438                  | 80   | 350                  |
|   |                          | 68    |    | S      | 80                         | 4/1               | 1      | 19800     |                            | 350 68                        |   | 4160 60                       | 438                  | 80   | 350                  |
|   |                          |       |    |        |                            |                   |        |           |                            | 700                           |   |                               | 876                  |      | 700                  |



r further information write to DBS Energy and Minerals Section, Ottawa, or telephone 992-6014 (Area Code 613)

\$5.00 A YEAR

Catalogue No. 57-002 Vol. 4, No. 81



January 9, 1970

#### NOTE TO USERS

Because of the frequent contacts required from time to time, subscribers to the Service Bulletin will be interested in knowing that Mr. R.L. Borden, the former Chief of the Energy and Minerals Section, has now been appointed Assistant Director (Industrial Prices) of the Prices Division of DBS. Mr. D.F. Heney has become Chief of the Energy and Minerals Section and Mr. M.I. Cavanagh, Head of the Electricity and Coal Unit. Mr. A.J. Côté continues to head up the Oil and Gas Unit and Mr. A.J. Symons the Minerals Unit. Offices of the Economics Branch, of which the Energy and Minerals Section is part, are being moved to the General Purpose Building, Tunney's Pasture. Telephone numbers 992-6014, 992-4021 and 992-0491 remain unchanged.

These officers and all the staff of the Section wish to take this opportunity to extend Season's Greetings and best wishes for a successful New Year to all our subscribers.

### Oil Pipe Line Transport, October 1969, Cat. No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during October increased 7.0 per cent to 1,809,300 B/D from 1,691,100 B/D for the same period of the preceding year; domestic oils and refined petroleum product receipts amounted to 1,437,600 B/D (up 8.4 per cent) and imported oils were 371,700 B/D (up 2.0 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 8.0 per cent to 1,759,400 B/D from 1,628,900 B/D last year. Included in the month's deliveries were 1,189,500 B/D to domestic points (up 0.4 per cent) and 569,900 B/D for export (up 28.2 per cent).

For the ten-month period, net receipts of all commodities were 1,816,500 B/D, an increase of 7.0 per cent over the same period of 1968; deliveries rose 7.1 per cent, to 1,809,300 B/D. The imports by pipeline for the period increased to 384,800 B/D while the exports of the same commodities rose to 554,900 B/D, an increase of 5.3 per cent and 18.1 per cent, respectively.

Total traffic for October amounted to 26,596 million barrel miles with an average length of haul of 487.6 miles.

Oil held by Canadian pipe line systems totalled 25,636,974 barrels by the end of October. Inventories of crude oil and equivalent increased by 558,819 barrels, while inventories held in Canada and the United States increased by 1,271,987 barrels.

# Oil Pipe Line Supply and Disposition

|                             |                                | Octobe                                   | r 1969           |  | Year to d        | ate 19 <b>6</b> 9                       |
|-----------------------------|--------------------------------|--|------------------|--|------------------|---|
| Supply<br>and<br>Dispostion | Crude oil<br>and<br>equivalent | Refined petroleum products and L.P.G.'S. | Total<br>Volume  | %<br>change<br>from<br>October<br>1968 | Total<br>Volume  | %<br>change<br>from<br>previous<br>year |
|                             |                                |  | '000 barre       | ls per day                             |                  |   |
| Net receipts                |                                |  |                  |  |                  |   |
| Domestic                    | 1,217.2<br>370.0               | 220.4<br>1.7                             | 1,437.6<br>371.7 | + 8.4<br>+ 2.0                         | 1,431.7<br>384.8 | + 7.5<br>+ 5.3                          |
| Total net receipts          | 1,587.2                        | 222.1                                    | 1,809.3          | + 7.0                                  | 1,816.5          | + 7.0                                   |
| Net deliveries              |                                |  |                  |  |                  |   |
| Domestic<br>Exports         | 984.6<br>553.3                 | 204.9<br>16.6                            | 1,189.5<br>569.9 | + 0.4<br>+ 28.2                        | 1,254.4<br>554.9 | + 2.9<br>+ 18.1                         |
| Total net deliveries        | 1,537.9                        | 221.5                                    | 1,759.4          | + 8.0                                  | 1,809.3          | + 7.1                                   |
| Inventory change (barrels)  | 1,271,987                      | 19,252                                   | 1,291,239        | -                                      | 1,969,067        | -                                       |





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Catalogue No. 57-002 Vol. 4 No. 82



January 12, 1970

Preliminary(1) Report on Coal Production

November 1969

Preliminary data indicate that coal production for the month of November amounted to 991,956 tons, a decrease of 3.8% from the 1968 preliminary production figure of 1,031,625 tons. Landed imports were 1,921,799 tons compared with 2,008,674 tons for the same period last year.

<sup>(1)</sup> Advanced publication of data included in Monthly publication No. 45-002 Coal and Coke Statistics.

## Production and Landed Imports of Coal, by Provinces

|  | 1968   |  | 1969  |  |
|--|--|--|---|--|
|  | Production(2)  | Landed(1) imports  | Production(2)   | Landed(1) imports  |
|  | n  | et tons of 2,  | 000 pounds  |  |
|  | 1  |  |   | 1  |
| November   |  |  |   |  |
| Newfoundland Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta - Bituminous Sub-bituminous British Columbia and Yukon | 272,826<br>64,991<br>-<br>-<br>196,036<br>93,447<br>332,747<br>71,578          | 383<br>17,322<br>231<br>166,126<br>1,824,581<br>31                   | 191,816<br>54,053<br>-<br>-<br>211,522<br>116,908<br>339,380<br>78,277      | 22,637<br>152<br>72,684<br>1,826,103<br>223                          |
| Canada totals  | 1,031,625  | 2,008,674  | 991,956   | 1,921,799  |
| Eleven months ended November  Newfoundland   | 2,884,650<br>695,298<br>-<br>-<br>1,999,432<br>878,246<br>2,569,453<br>836,783 | 9,242<br>448,282<br>1,539<br>797,473<br>15,065,916<br>1,603<br>1,683 | 2,454,052<br>568,653<br>-<br>1,755,419<br>1,118,963<br>2,830,681<br>889,369 | 6,371<br>505,884<br>1,661<br>808,107<br>14,746,934<br>4,756<br>1,153 |
| Canada totals  | 9,863,862  | 16,325,945   | 9,617,137   | 16,075,404   |
| (1) Supplied by the Dominion C   | and Poords do no   | +  | u como mith fi  |  |

<sup>(1)</sup> Supplied by the Dominion Coal Board; do not necessarily agree with figures reported in Trade of Canada.

<sup>(2)</sup> All figures are preliminary.



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Catalogue No. 57-002 Vol. 4 No. 83

January 13, 1970

Sales of Natural Gas October 1969 Catalogue No. 55-002

Total sales of Natural gas to Canadian consumers for October were 63,269,277 Mcf. This was an increase of 11.9% over the same month last year. Revenue from sales was \$37,339,804.

Sales for the first ten months of 1969 were 676,000,510 Mcf.; an increase of 10.6% over the first ten months last year. Exports continued to rise over the same period amounting to 549,783,899 Mcf.; an increase of 11.8%, while imports were 31,638,293 Mcf.; a decrease of 55.7%. Domestic revenues were up 7.3% and export revenues were up 14.7%.



## Sales of Natural Gas, October 1969

|  | Customers  |  | 0-2-2-1   | n.  |  |
|--|--|--|---|---|--|
|  | Space heating  | Total  | Gas sold  | Revenue   |  |
|  | No.  |  | Mcf.  | \$  |  |
|  | 1  |  |   |   |  |
| Residential New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada | 130<br>104,808<br>578,384<br>108,836<br>121,453<br>267,686<br>184,128<br>1,365,425 | 1,677<br>204,545<br>713,546<br>111,041<br>123,912<br>270,344<br>207,206<br>1,632,271 | 2,303<br>1,101,506<br>4,384,417<br>1,033,269<br>937,002<br>3,377,150<br>1,998,380<br>12,834,027     | 7,686<br>1,788,983<br>5,943,761<br>953,548<br>1,299,704<br>1,996,907<br>2,599,383<br>14,589,972     |  |
| Commercial  New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada |  | 65<br>10,227<br>66,227<br>10,623<br>17,021<br>30,242<br>27,039<br>161,444            | 1,567<br>428,060<br>4,416,639<br>789,260<br>543,627<br>3,485,417<br>978,739<br>10,643,309           | 3,960<br>461,208<br>3,810,530<br>551,986<br>450,060<br>1,327,735<br>902,954<br>7,508,433            |  |
| Industrial New Brunswick   |  | _  | _   | -   |  |
| Quebec Ontario Manitoba Saskatchewan Alberta British Columbia Canada                           |  | 2,042<br>8,418<br>306<br>635<br>938<br>349<br>12,688                                 | 2,871,629<br>16,622,781<br>1,578,025<br>4,058,215<br>10,921,659<br>3,739,632<br>39,791,941          | 1,448,542<br>8,898,617<br>461,096<br>1,060,930<br>1,918,298<br>1,453,916<br>15,241,399              |  |
| Firm Interruptible   |  | 12,021 667   | 30,470,968<br>9,320,973   | 11,613,507<br>3,627,892   |  |
| Total sales  New Brunswick   |  | 1 7/0  | 2.970   | 11 (//  |  |
| Quebec   |  | 1,742<br>216,814<br>788,191<br>121,970<br>141,568<br>301,524<br>234,594<br>1,806,403 | 3,870<br>4,401,195<br>25,423,837<br>3,400,554<br>5,538,844<br>17,784,226<br>6,716,751<br>63,269,277 | 11,646<br>3,698,733<br>18,652,908<br>1,966,630<br>2,810,694<br>5,242,940<br>4,956,253<br>37,339,804 |  |
| Total exports  |  |  | 61,487,961  | 16,373,157  |  |
| Total imports  |  |  | 2,007,475   | 866,432   |  |



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Catalogue No. 57-002 Vol. 4, No. 84. January 14, 1970

Retail Gasoline Statistics by Metropolitan Area

Third Quarter 1969

Retail sales of gasoline in Canada's major metropolitan areas for the third quarter of 1969 were 428.2 million gallons. This amount was dispensed through 7,190 outlets.



|                                   | Metropolitan Areas |                 |                     |           |         |          |           |            |         |
|-----------------------------------|--------------------|-----------------|---------------------|-----------|---------|----------|-----------|------------|---------|
|                                   | Montreal           | Ottawa*<br>Hull | Toronto<br>Hamilton | Winnipeg* | Regina* | Calgary* | Edmonton* | Vancouver* | Total   |
| Outlets                           |                    |                 |                     |           |         |          |           |            |         |
| Number of branded outlets         | 2,224              | 440             | 2,150               | 418       | 138     | 363      | 410       | 945        | 7,088   |
| Number of other outlets           | 83                 | -               | 19                  | -         |         |          | -         | -          | 102     |
| Totals                            | 2,307              | 440             | 2,169               | 418       | 138     | 363      | 410       | 945        | 7,190   |
| Gallonage ('000 gallons)          |                    |                 |                     |           |         |          |           |            |         |
| Dispensed through branded outlets | 119,804            | 25,809          | 143,217             | 26,149    | 8,893   | 23,514   | 23,831    | 52,930     | 424,147 |
| Dispensed through other outlets   | 2,983              | -               | 1,049               |           | -       | -        | -         | -          | 4,032   |
| Total                             | 122,787            | 25,809          | 144,266             | 26,149    | 8,893   | 23,514   | 23,831    | 52,930     | 428,179 |

Due to revisious, the number of service stations of each area does not compare exactly with the previous quarter.
Revised data for the years 1968 and 1969 will be published early in the new year. \*In all areas except for Montreal and Toronto-Hamilton, branded and other outlets are combined.

Using estimated vehicle registration statistics, passenger cars per service station in the eight metropolitan areas averaged 394. The Toronto-Hamilton area has an average of 479 passenger cars per station followed by Ottawa-Hull with 421, Winnipeg 406, Vancouver 401, Calgary 364, Regina 352, Edmonton 341 and Montreal 321.

Population per car in these metropolitan areas is estimated at 3.0. This compares favourably wich the Canada figure of 3.4. The city of Vancouver has a population per car of 2.5, followed by Calgary, Toronto-Hamilton, Ottawa-Hull, Regina, Edmonton, Winnipeg and Montreal with the last area registering a ratio of 3.7 persons per car.

During the third quarter of 1969, gasoline sold through retail pump outlets in the metropolitan areas averaged 133 gallons per vehicle. Regina shows an average of 153 gallons; Calgary and Montreal 146; Edmonton 138; Ottawa-Hull 126; Toronto-Hamilton 124; Vancouver 123 and Winnipeg 110.

With the exception of Montreal, Ottawa-Hull and Toronto-Hamilton, Metropolitan areas are identical with census metropolitan areas. Estimates of population and number of vehicles for the eight metropolitan areas are as follows:

| At 1 to the COST and COST to the CoST of t | Population*   | Passenger   | Commercial   |
|--|---------------|-------------|--------------|
|  | 1st June 1968 | cars(1, 2)* | vehicles(1)* |
| Montreal   | 2,744,000     | 740,700     | 99, 700      |
| Ottawa-Hull  | 527,000       | 185,300     | 19,900       |
| Toronto-Hamilton   | 2,866,000     | 1,039,700   | 123,800      |
| Winnipeg   | 523,000       | 169,500     | 23,300       |
| Regina   | 137,000       | 48,600      | 9,600        |
| Calgary  | 361,000       | 132,200     | 29,000       |
| Edmonton   | 425,000       | 140,000     | 33,100       |
| Vancouver  | 953,000       | 378,500     | 50,100       |
| Canada, total  | 20,744,000    | 6,051,800   | 1,788,500    |

<sup>(1) 1968</sup> registrations.

<sup>(2)</sup> Taxis included.

<sup>\*</sup> Estimates.

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